



# भारत का राजपत्र The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Fax No. 011 576 6204.

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Besant Nagar, Chennai-600 090.

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Pondicherry and the Union  
Territories of Laccadive, Minicoy  
and Aminidivi Islands.

#### Telegraphic address "PATENTOFIS"

Phone No. 490 1495  
Fax No. 044 490 1492.

Patent Office (Head Office),  
'NIZAM PALACE', 2nd M.S.O  
Building, 5th, 6th & 7th  
Floors, 234/4, Acharya Jagadish  
Bose Road, Calcutta-7000 20.

Rest of India.

#### Telegraphic address "PATENTS"

Phone No. 247 4401  
Fax No. 033 247 3851.

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## पेटेंट कार्यालय

## एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 23 सितम्बर 2000

## पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:-

पेटेंट कार्यालय शाखा, टोडी इस्टेट,

तीसरा तल, लोअर परेल (प.),

मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश

तथा गोआ राज्य क्षेत्र एवं

संघ शासित क्षेत्र, दमन तथा दीव एवं

दादर और नगर हवेली।

तार पता-“पैटेंटफिस”

फोन : 482 5092, फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,

एकक सं. 401 से 405, तीसरा तल,

नगरपालिका बाजार भवन,

सरस्वती मार्ग, करोल बाग,

नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू

तथा कश्मीर, पंजाब, राजस्थान,

उत्तर प्रदेश तथा दिल्ली राज्य

क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़

तार पता-“पेटेंटोफिक”

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,

विंग “सी” (सी 4, ए),

तीसरा तल, राजाजी भवन, बसंत नगर,

चेन्नई-600 090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु

तथा पाण्डिचेरी राज्य क्षेत्र एवं

संघ शासित क्षेत्र, लक्षदीप, मिनीकाय

तथा एमिनिदिवि द्वीप।

तार पता-“पेटेंटोफिस”

फोन : 490 1495, फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय),

निजाम पैलेस, द्वितीय बहुतलीय कार्यालय

भवन, 5, 6 तथा 7वां तल,

234/4, आचार्य जगदीश बोस मार्ग,

कलकत्ता-700 020।

भारत का अवशेष क्षेत्र।

तार पता-“पेटेंट्स”

फोन-247 4401 फैक्स : 033 247 3851.

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किये जायेंगे।

शुल्क: शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

## CORRIGENDUM

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, section-2, dated 12th November, 1999 notified on 11th December, 1999 delete the Patent No. 182506 (864/Cal/94) which was inadvertently sealed.

INTERNATIONAL APPLICATION FOR PATENT FILED UNDER PATENT COOPERATION TREATY (PCT) AT PATENT OFFICE DURING THE PERIOD FROM 23-07-99 TO 28-09-99.

Application No. PCT/IN99/00033.

Date of Filing : 23 July 99.

Applicant : FUTURICA PETROCHEMICALS (PVT.) LTD.

Field of Invention : DRUGS.

Title : PROCESS FOR CRYSTALLIZATION OF DICARBOXYLIC ACIDS.

Application No. : PCT/IN99/00035.

Date of Filing : 09 August 99.

Applicant : SUBBULU VANGALA BALA VENKATA.

Field of Invention : MECHANICAL.

Title : TITLE OF INVENTION "ARTICLE EMPLOYING SOLID SURFACE SHEETS."

Application No. : PCT/IN99/00036.

Date of Filing : 09 August 99.

Applicant : PANDITA, MAHARAJ KRISHEN.

Priority Claim On : 2658/Del/98 India, 2660/Del/98 India, 146/Del/99 India.

Field of Invention : CHEMICAL.

Title : COMPOSITION FOR IMPROVING MENTAL CAPABILITIES IN MAMMALS.

Application No. PCT/IN00/00037.

Date of Filing : 10 August 99.

Applicant : ALL INDIA INSTITUTE OF MEDICAL SCI.

Priority Claim On : 2337/Del/98 IN.

Field of Invention : CHEMICAL.

Title : A NOVEL LIPOSOMAL FORMULATION USEFUL IN TREATMENT OF CANCER AND OTHER PROLIFERATION DISEASES.

Application No. : PCT/IN 99/00038.

Date of Filing : 18 August 99.

Applicant : ITALIYA RASIKLAL RAMJIBHAI.

Priority Claim On : 513/Bom/99 IN.

Field of Invention.

Title : METHOD OF DISTILLATION OF WATER.

Application No. : PCT/IN/99/00039.

Date of Filing : 18 August 99.

Applicant : MAGON KAUSHALYA DEVI.

Priority Claim On : 1065/Del/99 IN.

Field of Invention : MECHANICAL.

Title : "BALANCED BLADDER FOR INFLATABLE BALLS."

Application No. : PCT/IN 99/00040.

Date of Filing : 20 August 99.

Applicant : THE CHIEF CONTROLLER, DRDO.

Priority Claim On : 407/Del/99 INDIA.

Field of Invention : CHEMICAL.

Title : AN IMPROVED PROCESS FOR CHEMICAL DESTRUCTION OF SULPHUR MUSTARD BY CHEMICAL CONVERSION INTO NON-TOXIC PRODUCTS.

Application No. : PCT/IN99/00041.

Date of Filing : 07 September 99.

Applicant : DABUR RESEARCH FOUNDATION.

Priority Claim On : 09/212, 321 USA.

Field of Invention : DRUG.

Title : A PROCESS FOR THE ISOLATION OF 10-DEACETYL BECCATIN III FROM THE RECOVERABLE PART OF A PLANT OF TAXUS SPECIES.

Application No. : PCT/IN99/00042.

Date of Filing : 07 September 99.

Applicant : PRAKASH VAIDYA BALENDU.

Priority Claim On.

Field of Invention : DRUGS.

Title : A PHARMACEUTICAL AYURVEDIC PREPARATION.

Application No. : PCT/IN99/00043.

Date of Filing : 09 September 99.

Applicant : DABOUR RESEARCH FOUNDATION.

Priority Claim On.

Field of Invention : DRUG.

Title : NOVEL VETULINIC ACID DERIVATIVES HAVING ANTIANGIOGENIC ACTIVITY, PROCESSES FOR PRODUCING SUCH DERIVATIVES AND THEIR USE FOR TREATING TUMOR ASSOCIATED ANGIOGENESIS.

Application No. : PCT/IN99/00044.

Date of Filing : 13 September 99.

Applicant : PATEL DINESH SHANTILAL.

Priority Claim On : 65/Bom/99 IN.

Field of Invention : DRUG.

Title : LIMPID PARENTERAL SOLUTION OF 2,6-DIISOPROPYLPHENOL AS AN ANAESTHETIC DRUG AND 2,5-DI-O-METHYL-1,4:3,6-DIANHYDRO-D-GLUCITROL AS A SOLVENT FOR MAKING CLEAR I.V. FORMULATION.

Application No. : PCT/IN99/00045.

Date of Filing : 13 September 99.

Applicant : CIPLA LTD.

Priority Claim On.

Field of Invention.

Title : A NOVEL PROCESS FOR THE SYNTHESIS OF SILDENAFIL CITRATE.

Application No. : PCT/IN99/00046.

Date of Filing : 13 September 99.

Applicant : PHILLIPS CARBON BLACK LTD.

Priority Claim On : 1734/Cal/98 IN.

Field of Invention : MECHANICAL.

Title : AN IMPROVED PROCESS FOR THE MANUFACTURE OF CARBON BLACK BY FURNACE PROCESS AS AN IMPROVED HIGH VOLUME HIGH TEMPERATURE (HVHT) REACTOR FOR CARRYING OUT SAID METHOD.

Application No. : PCT/IN99/00047.

Date of Filing : 14 September 99.

Applicant : PATEL DINESH SHANTILAL.

Priority Claim On : 406/Bom/99 IN.

Field of Invention : CHEMICAL.

Title : A NOVEL FORMULATION OF N-(4-NITRO-2-PHENOXYPHENYL) METHANESULFONAMIDE.

Application No. : PCT/IN99/00048.

Date of Filing : 14 September 99.

Applicant : PATEL DINESH SHANTILAL.

Priority Claim On : 407/Bom/99 IN.

Field of Invention : CHEMICAL.

Title : A NOVEL FORMULATION OF (+)-5-ETHYLDIHYDRO-5-(1-METHYLBUTYL)-2-THIOXO 4,6 (1H, 5H)-PYRIMIDINEDIONE.

Application No. : PCT/IN99/00049.

Date of Filing : 16 September 00.

Applicant : LUPIN LABORATORIES LIMITED.

Priority Claim On.

Field of Invention : CHEMICAL.

Title : AN IMPROVED REGIOSPECIFIC SYNTHESIS OF PHOSPHONOUS ACIDS.

Application No : PCT/IN99/00050.

Date of Filing : 23 September 99.

Applicant : LUPIN LABORATORIES LIMITED.

Priority Claim On.

**Field of Invention.**

**Title : A RECOMBINANT MYCOBACTERIAL POLYPEPTIDE ANTIGEN AND A DIAGNOSTIC KIT HAVING THE SAME FOR DIAGNOSIS OF ACTIVE TUBERCULOSIS.**

Application No. : PCT/IN99/00051.

Date of Filing : 28 September 99.

Applicant : UNIVERSITY OF DELHI SOUTH CAMPUS.

Priority Claim On.

Field of Invention : CHEMICAL.

**Title : FERTILITY RESTORER GENE FOR 'POLIMA' CYTOPLASMIC MALE STERILITY.**

Application No. : PCT/IN99/00052.

Date of Filing : 28 September 1999.

Applicant : KHANNA PUSHPA.

Priority Claim On : 560/DEL/99 IN, 561/DEL/99 IN.

Field of Invention : CHEMICAL.

**Title : PROTEIN/POLYPEPTIDE-K OBTAINED FROM MOMORDICA CHARANTIA AND A PROCESS FOR THE EXTRACTION THEREOF.**

**NATIONAL PHASE APPLICATION FOR PATENT UNDER PCT (CHAPTER -I) FILED IN THE PATENT OFFICE BRANCH MUMBAI FROM 20-06-2000 TO 30-06-2000.**

Nat. Phase Application No. IN/PCT/2000, 00108/MUM dt. 20-6-2000.

Corres. PCT Application No. PCT/SE98/02439 Dt. 22-12-1998.

Priority Document No. US 09/995, 663.

Priority Document Date 22-12-1997.

**Name of Applicant : TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)**

**Title of Invention : METHOD AND APPRATUS FOR WIDEBAND PREDISTORTION LINEARIZATION.**

Nat. Phase Application No. : IN/PCT/2000, 00109/MUM Dt. 20-06-2000.

Corres. PCT Application No. PCT/US 98/27536 Dt. 30-12-1998.

Priority Document No. US 09/001, 785

Priority Document Date : 31-12-1997.

Name of Applicant : HERCULES INCORPORATED.

**Title of Invention : USE OF OXIDATION PROMOTING CHEMICALS IN THE OXIDATION OF OXIDIZABLE GALACTORSE TYPE OF ALCOHOL CONFIGURATION CONTAINING POLYMER.**

Nat. Phase Application No. IN/PCT/2000, 00110/MUM Dt. 20-6-2000.

Corres. PCT Application No. PCT/US/98/26698 Dt. 15-12-1998.

Priority Document No. US 08/998, 417.

Priority Document Date : 24-12-1997.

Name of Applicant : INTEL CORPORATION.

**Title of Invention : SYSTEM FOR ANALYZING GRAPHICS CONTROLLER PERFORMANCE.**

Nat. Phase Application No. IN/PCT/2000, 00111/MUM Dt. 21-06-2000.

Corres. PCT Application No. PCT/GB/99/200365 Dt. 03-02-1999.

Priority Document No. GB 9802439.1

Priority Document Date :06.02.1998.

Name of Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC.

Title of Invention : ABSORBENTS.

Nat. Phase Application No. IN/PCT/2000, 00112/MUM Dt. 21-06-2000.

Corres. PCT Application No. PCT/GB 98/03813 Dt. 17-12-1998.

Priority Document No. GB 9726673.8.

Priority Document Date :17-12-1997.

Name of Applicant : NOTETRY LIMITED.

Title of Invention : A VACUUM CLEANER.

Nat. Phase Application No. IN/PCT/2000, 00113/MUM Dt. 21-06-2000.

Corres. PCT Application No. PCT/EP 98/08561 Dt. 17-12-1998.

Priority Document No. EP 97403154.4.

Priority Document Date : 24-12-1997.

**Name of Applicant : SMITHKLINE BEECHAM LABORATORIES PHARMACEUTIQUES & SMITHKLINE BEECHAM S P.A.**

**Title of Invention : INDOLE DERIVATIVES USEFUL A.O. FOR THE TREATMENT OF OSTEOPOROSIS.**

Nat. Phase Application No. IN/PCT/2000, 00114/MUM Dt. 21-06-2000.

Corres. PCT Application No. PCT/GB98/03815 Dt. 17-12-1998.

Priority Document No. GB 9726669.6.

Priority Document Date : 17-12-1997.

Name of Applicant : NOTETRY LIMITED.

Title of Invention : A HANDLE FOR A VACUUM CLEANER.

Nat. Phase Application No. IN/PCT/2000, 00115/MUM Dt. 21-06-2000.

Corres. PCT Application No. PCT/GB98/03816 Dt. 17-12-1998.

Priority Document No. GB 9726676.1.

Priority Document Date : 17-12-1997.

Name of Applicant : NOTETRY LIMITED.

Title of Invention : A VACUUM CLEANER.

Nat. Phase Application No. IN/PCT/2000, 00116/MUM Dt. 21-06-2000.

Corres. PCT Application No. PCT/SE98/02348 Dt. 16-12-1998.

Priority Document No. SE 9704836-7.

Priority Document Date : 22-12-1997.

Name of Applicant : ASTRAZENEC A CANADA INC.

Title of Invention : NOVEL G PROTEIN-COUPLED RECEPTOR.

Nat. Phase Application No. IN/PCT/2000, 00117/MUM Dt. 22-06-2000.

Corres. PCT Application No. PCT/EP98/08454 Dt. 22-12-1998.

Priority Document No. DE 197 57 207.3 & DE 197 57 208.1.

Priority Document Date : 22-12-1997 & 22/12/1997.

Name of Applicant : ASTRAZENEC A AB.

Title of Invention : INHALATION DEVICE.

Nat. Phase Application No. IN/PCT/2000, 00118/MUM Dt. 22-06-2000.

Corres. PCT Application No. PCT/CA98/01187 Dt. 22-12-1998.

Priority Document No. US 08/994, 500.

Priority Document Date : 24-12-1997.

Name of Applicant : BAREFOOT SCIENCE.

Title of Invention : REHABILITATIVE SHOE INSOLE DEVICE.

Nat. Phase Application No. IN/PCT/2000, 00119/MUM Dt. 22-06-2000.

Corres. PCT Application No. PCT/US98/26406 Dt. 11-12-1998.

Priority Document No. US 08/993, 173.

Priority Document Date : 18-12-1997.

Name of Applicant : ESCO CORPORATION.

Title of Invention : IMPROVED LOCKING PIN FOR EXCAVATING EQUIPMENT.

Nat. Phase Application No. IN/PCT/2000, 00120/MUM Dt. 22-06-2000.

Corres. PCT Application No. PCT/AT98/00318 Dt. 22-12-1998.

Priority Document No. A2168/97.

Priority Document Date : 22-12-1997.

Name of Applicant : REINHARD LIEHS.

Title of Invention : APPLICATOR RING FOR CONDOMS.

Nat. Phase Application No. IN/PCT/2000, 00121/MUM Dt. 23-06-2000.

Corres. PCT Application No. PCT/US99/24240 Dt. 14-10-1999.

Priority Document No. US 60/105, 786 & US 09/386, 547.

Priority Document Date : 27-10-1998 & 31-08-1999.

Name of Applicant : EASTMAN CHEMICAL COMPANY.

Title of Invention : PROCESS FOR THE POLYMERIZATION OF OLEFINS; NOVEL POLYETHYLENES, AND FILMS AND ARTICLES PRODUCED THEREFROM.

Nat. Phase Application No. IN/PCT/2000, 00122/MUM Dt. 23-06-2000.

Corres. PCT Application No. PCT/GB98/03860 Dt. 24-12-1998.

Priority Document No. GB9727370.0 & GB 9813644.3.

Priority Document Date : 24-12-1997 & 24-06-1998.

Name of Applicant : ISIS INNOVATION LIMITED.

Title of Invention : MODIFIED DEACETOXYCEPHALOSPORIN C SYNTHASE (DAOCS) AND X-RAY STRUCTURE.

Nat. Phase Application No. IN/PCT/2000, 00123/MUM Dt. 23-06-2000.

Corres. PCT Application No. : PCT/GB99/00021 Dt. 05-01-1999.

Priority Document No. : GB 9800245.4.

Priority Document Date : 7-01-1998.

Name of Applicant : BP Chemicals Limited.

Title of Invention : Homopolymers and copolymers of Ethylene.

Nat. Phase Application No. : IN/PCT/2000, 00124/MUM Dt. 23-06-2000.

Corres. PCT Application No. PCT/US 98.27602 Dt. 23.12-1998.

Priority Document No. US 60/068, 541.

Priority Document Date : 23.12.1997.

Name of Applicant : ALLEGHENY LUDLUM CORPORATION.

Title of Invention : AUSTENITIC STAINLESS STEEL INCLUDING COLUMBIUM.

Nat. Phase Application No. IN/PCT/2000, 00125/MUM Dt. 26-06-2000.

Corres. PCT Application No. PCT/US98/27535 Dt. 30-12-1998.

Priority Document No. US 09/001, 789.

Priority Document Date : 31.12.1997.

Name of Applicant : HERCULES INCORPORATED.

Title of Invention : OXIDATION IN SOLID STATE OF DIZABLE GALACTOSE TYPE OF ALCOHOL CONFIGURATION CONTAINING POLYMERS.

Nat. Phase Application No. IN/PCT/2000, 00126/MUM Dt. 27-06-2000.

Corres. PCT Application No. PCT/JP99/00475 Dt. 04.02.1999.

Priority Document No. JP 10/305061.

Priority Document Date : 27-10-1998.

Name of Applicant : KAWASAKI JUKOGYO KABUSHIKI KAISHA.

Title of Invention : FLUIDIZED-BED DRYING AND CLASSIFYING APPARATUS.

Nat. Phase Application No. IN/PCT/2000, 00127/MUM Dt. 27-06-2000.

Corres. PCT Application No. PCT/US98/27534 Dt. 30.12.1998.

Priority Document No. US 09/002, 281.

Priority Document Date : 31.12.1997.

Name of Applicant : HERCULES INCORPORATED.

Title of Invention : OXIDIZED GALACTOSE TYPE OF ALCOHOL CONFIGURATION CONTAINING POLYMER IN COMBINATION WITH CATIONIC POLYMERS FOR PAPER STRENGTH APPLICATIONS.

Nat. Phase Application No. IN/PCT/2000, 00128/MUM Dt. 28-06-2000.

Corres. PCT Application No. PCT/US98/26488 Dt. 14-12-1998.

Priority Document No. US 09/001, 820 AND 09/005, 041.

Priority Document Date : 31.12.1997 AND 03.04.1998.

Name of Applicant : DURACELL INC.

Title of Invention : BATTERY SEPARATOR.

Nat. Phase Application No. IN/PCT/2000, 00129/MUM Dt. 28-06-2000.

Corres. PCT Application No. PCT/US98/26490 Dt. 14-12-1998.

Priority Document No. US 09/001, 822 AND 09/054, 928.

Priority Document Date : 31.12.1997 AND 03.04.1998.

Name of Applicant : DURACELL INC.

Title of Invention : BATTERY CATHOD.

Nat. Phase Application No. IN/PCT/2000, 00130/MUM Dt. 28-06-2000.

Corres. PCT Application No. PCT/US98/26489 Dt. 14.12.1998.  
 Priority Document No. US 09/002, 012 AND 09/054,939.  
 Priority Document Date : 31.12.1997 AND 03.04.1998.  
 Name of Applicant : DURACELL INC.  
 Title of Invention : POROUS ALKALINE ZINC/MANGANESE OXIDE BATTERY.  
 Nat. Phase Application No. IN/PCT/2000, 00131/MUM Dt. 28-06-2000.  
 Corres. PCT Application No. PCT/US98/26647 Dt. 15-12-1998.  
 Priority Document No. US 08/998, 537.  
 Priority Document Date : 26.12.1997.  
 Name of Applicant : DURACELL INC.  
 Title of Invention : PRESSURE ACTIVATED CURRENT INTERRUPTER FOR ELECTROCHEMICAL CELLS.  
 Nat. Phase Application No. IN/PCT/2000, 00132/MUM Dt. 29-06-2000.  
 Corres. PCT Application No. PCT/US98/27538 Dt. 30-12-1998.  
 Priority Document No. US 09/001, 787 AND US 09/224, 107.  
 Priority Document Date : 31.12.1997 AND 22.12.1998.  
 Name of Applicant : HERCULES INCORPORATED.  
 Title of Invention : PROCESS TO REDUCE THE AOX LEVEL OF WET STRENGTH RESINS BY TREATMENT WITH BASE.  
 Nat. Phase Application No. IN/PCT/2000, 00133/MUM Dt. 29-06-2000.  
 Corres. PCT Application No. PCT/GB98/03904 Dt. 23-12-1998.  
 Priority Document No. GB 9800158.9 AND GB 9813795.3.  
 Priority Document Date : 05.01.1998 AND 23.12.1998.  
 Name of Applicant : NYCOMED IMAGING AS.  
 Title of Invention : METHOD OF MAGNETIC RESONANCE INVESTIGATION.  
 Nat. Phase Application No. IN/PCT/2000, 00134/MUM Dt. 29-06-2000.  
 Corres. PCT Application No. PCT/US98/27537 Dt. 30-12-1998.  
 Priority Document No. US 09/001, 803.  
 Priority Document Date : 31.12.1997.  
 Name of Applicant : HERCULES INCORPORATED.  
 Title of Invention : PROCESS OF REPULPING WET STRENGTH PAPER.  
 Nat. Phase Application No. IN/PCT/2000, 00135/MUM Dt. 29-06-2000.  
 Corres. PCT Application No. PCT/FR98/02792 Dt. 18-12-1998.  
 Priority Document No. FR 97/16770.  
 Priority Document Date : 31.12.1997.  
 Name of Applicant : VALOIS S.A.  
 Title of Invention : FLUID PRODUCT SPRAYING DEVICE.  
 Nat. Phase Application No. IN/PCT/2000, 00136/MUM Dt. 29-06-2000.  
 Corres. PCT Application No. PCT/US99/00372 Dt. 12-01-1999.  
 Priority Document No. US 09/005, 580.

Priority Document Date : 12.01.1998.  
 Name of Applicant : ERICSSON INC.  
 Title of Invention : MEHTOD AND APPARATUS FOR MULTIPATH DELAY ESTIMATION IN DIRECT SEQUENCE SPREAD SPECTRUM COMMUNICATION SYSTEM.  
 Nat. Phase Application No. IN/PCT/2000, 00137/MUM Dt. 29-06-2000.  
 Corres. PCT Application No. PCT/US98/27197 Dt. 21-12-1998.  
 Priority Document No. US 09/002, 363.  
 Priority Document Date : 31.12.1997.  
 Name of Applicant : MOBIL OIL CORPORATION.  
 Title of Invention : PYRIDINE/PICOLINE PRODUCTION PROCESS.  
 Nat. Phase Application No. IN/PCT/2000, 00138/MUM Dt. 30-06-2000.  
 Corres. PCT Application No. PCT/FR98/02639 Dt. 07.12.1998.  
 Priority Document No. FR 97/16787.  
 Priority Document Date : 31.12.1997.  
 Name of Applicant : STAGO INTERNATIONAL.  
 Title of Invention : DEVICE, PROCESS AND APPARATUS FOR IMPLEMENTING THE PROCESS, FOR DOSING ATLEAST ONE PARTICULAR COMPONENT IN A PRODUCT SAMPLE.  
 Nat. Phase Application No. IN/PCT/2000, 00139/MUM Dt. 30-06-2000.  
 Corres. PCT Application No. PCT/US99/25939 Dt. 03-11-1999.  
 Priority Document No. US 09/185, 042.  
 Priority Document Date : 03.11.1998.  
 Name of Applicant : PLATINUM TECHNOLOGY, INC.  
 Title of Invention : METHOD AND APPARATUS FOR OPTIMIZING QUERY GENERATION BY SELECTIVELY UTILIZING ATTRIBUTES OR KEY VALUES.  
 Nat. Phase Application No. IN/PCT/2000, 00140/MUM Dt. 30-06-2000.  
 Corres. PCT Application No. PCT/US99/25938 Dt. 03-11-1999.  
 Priority Document No. US 09/185,366.  
 Priority Document Date : 03.11.1998.  
 Name of Applicant : PLATINUM TECHNOLOGY, INC.  
 Title of Invention : METHOD AND APPARATUS FOR POPULATING SPRASE MATRIX ENTRIES FROM CORRESPONDING DATA.  
 Nat. Phase Application No. IN/PCT/2000, 00141/MUM Dt. 30-06-2000.  
 Corres. PCT Application No. PCT/US98/26487 Dt. 14-12-1998.  
 Priority Document No. US 09/002, 204, AND US 09/055, 047.  
 Priority Document Date : 31.12.1997 AND 03.04.1998.  
 Name of Applicant : DURACELL INC.  
 Title of Invention : ELECTRO CHEMICAL CELL BALANCE.  
 Nat. Phase Application No. IN/PCT/2000, 00142/MUM Dt. 30-06-2000.  
 Corres. PCT Application No. PCT/JP99/00474 Dt. 04-02-1999.  
 Priority Document No. JP 1998-311885.  
 Priority Document Date : 02-11-1998.

Name of Applicant : KAWASAKI JUKOGYO KABUSHIKI KAISHA.

Title of Invention : MULTI-CHAMBER FLUIDIZED BED CLASSIFYING APPARATUS.

Nat. Phase Application No. IN/PCT/2000, 00143/MUM Dt. 30-06-2000.

Corres. PCT Application No. PCT/US98/26822 Dt. 17-12-1998.

Priority Document No. US 09/003, 112.

Priority Document Date : 06.01.1998.

Name of Applicant : SONY ELECTRONICS, INC.

Title of Invention : A HOME AUDIO/VIDEO NETWORK.

#### ALTERATION OF DATE

184691 Filed on 03.08.93, 816/DEL/93 Ante dated to 11th July 89.

#### ALTERATION OF DATE

184737 Filed on 6.5.97, 1170/Del/97 Ante-dated to 13 July 94.

#### ALTERATION OF DATE U/S 16

184752 27th January 1995.  
(1568/Cal/98)

184753 13th September 1995.  
(1578/Cal/98)

184754 15th July 1994.  
(1766/Cal/98)

184760 12th September 1995.  
(1967/Cal/98)

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate along with evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

#### स्वीकृत संपूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधि लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित

उक्त सूचना के तिथि से 60 दिन के भीतर फाईल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की सकती है।

Ind. Cl. : 55 E,

184641

Int. Cl. : A61 K, 31/00

"A PROCESS FOR THE PREPARATION OF SUSTAINED RELEASE FORMULATION OF 7-METHOXY DEOXY VASICINONE."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(S) : DEEPA KULKARNI-INDIA, ANIL KUMAR DWIVEDI-INDIA, SATYAWAN SINGH-INDIA.

Application for Patent No. : 658/Del/96 filed on 27.03.96.

Appropriate Office for opposition proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 6 Claims

A process for the preparation of sustained release formulation of 7-methoxy deoxy vasicinone which comprises :

- (i) micronising 7-methoxy deoxy vasicinone to a size in the range of 80 mesh and below.
- (ii) mixing 15 to 50% by wt. the said micronised 7-methoxy deoxy vasicinone with 50 to 85% by wt. polymer of oligosaccharide or a polysaccharide or their derivatives and optionally with 1 to 7.5% by wt. conventional binder and lubricating agent.

(Complete Specification 10 Pages

Drawing Sheet-Nil.)

Ind. Cl. : 167 C

184642

Int. Cl. : B 01 D - 15/08

"AN IMPROVED PROCESS FOR THE PREPARATION OF GIBBERELIC ACID".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(S) : PRAMOD PRABHAKAR MOGHE-INDIA, RAMCHANDRA VITTHAL GADRE-INDIA, ASHWINI VINAYAK POL-INDIA, MADHAV GOPAL KOTASTANE-INDIA, PRAKASH KONDIRA BAHIRAT-INDIA, MEENAKSHI VIJAY MANE-INDIA.

Application for Patent No. 665/DEL/96 filed on 27.3.96.

Appropriate office for opposition proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-5.

#### 3 Claims

An improved process for the preparation of gibberellic acid which comprises growing a fungus Gibberella fujikuroi in a conventional nutrient

medium in a known manner till 400 to 800 md/L gibberellic acid is produced, separating the clarified fermented broth containing gibberellic acid and other gibberellins by known methods such as herein defined, passing the said fermented broth through a column of cross-linked polymeric matrix having particle size distribution in the range of 0.3 to 12 mm, average pore diameter around 225 Å and surface area in the range of 325-375 Sq m/g, eluting the adsorbed matter with a water miscible polar solvent at a temperature in the range of 20 to 35°C, atmospheric pressure and at a pH in the range of 2 to 4.5 and recovering the gibberellic acid by conventional method.

(Complete Specification 11 Pages)

Drawing Sheet)

Ind. Cl. : 55 E<sub>4</sub>

184643

Int. Cl.<sup>4</sup>: C07 D, 489/00

"AN IMPROVED PROCESS FOR THE PRODUCTION OF CODEINONE."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

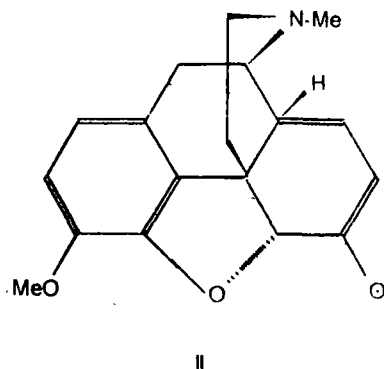
Investor(S) : BIRENDRA NATH GOSWAMI-INDIA, ROMESH CHANDRA RASTOGI-INDIA, RAJ KISHORE MATHUR-INDIA, ANIL CHANDRA GHOSH-INDIA.

Application for Patent No. 667/DEL/96 filed on 27.03.96.

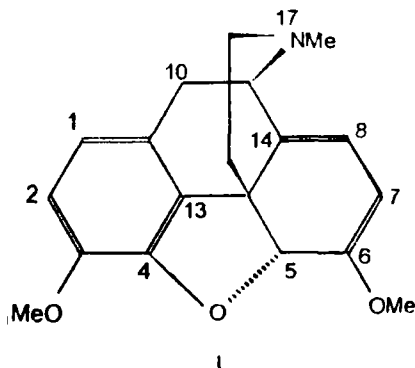
Appropriate Office for opposition proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the preparation of CODEINONE of the formula 11



which comprises dissolving the substrate the baine of the formula 1



in an organic solvent, reacting the resulting solution with an oxidising agent, stirring the reaction mixture and pouring into water, filtering the solid, washing with water and drying.

(Complete Specification 7 Pages)

Drawing Sheet-1)

Ind. Cl. : 55 E<sub>4</sub>

184644

Int. Cl.<sup>4</sup>: C07 C, 9/08

"A PROCESS FOR THE SYNTHESIS OF 1-(4-arylpiperazine-1-yl)-3-(2-oxopyrrolidin-1-yl) propanes."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

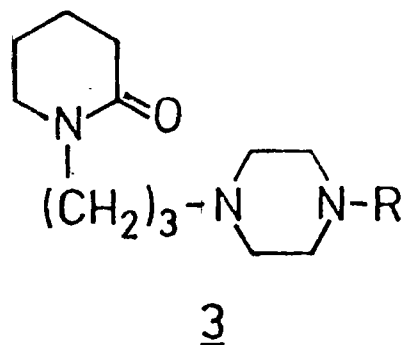
Inventor(S) : NEELIMA SINHA-INDIA, SANJAY JAIN-INDIA, ANIL KUMAR SAXENA-INDIA, NITYA ANAND RAM MOHAN SAXENA-INDIA, MANGAL PRASAD DUBEY-INDIA, GYANENDRA KUMAR PATNAIK-INDIA.

Application for Patent No. 692/DEL/96 filed on 29.03.96.

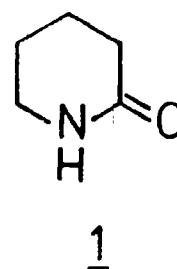
Appropriate Office for opposition proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

5 Claims

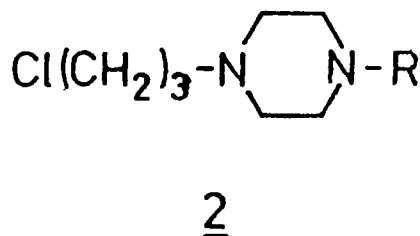
A process for the preparation of a novel 1-(4-arylpiperazin-1-yl)-3-2-oxopiperidin-1-yl) propanes of the formula 3



where R represents group like C<sub>6</sub>H<sub>4</sub>-F, C<sub>6</sub>H<sub>4</sub>-Cl, C<sub>6</sub>H<sub>4</sub>C<sub>2</sub>H<sub>5</sub>, C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub> and 2-pyridyl which comprises condensing 2-piperidone of the formula 1



with 1-(4-arylpiperazin-1-yl)-3-chloropropanes of the formula 2



Where R has the meaning given above in the presence of base such as alkalimetal or its compound and an inert organic solvent at a temperature ranging from 120-150°C for a period varying between 80 minutes to 14



hours to produce the corresponding 1-(4-aryl-1-piperazin-1-yl)-3-(2-oxopiperidin-1-yl) propanes of the formula 3.

(Complete Specification 9 Pages,

Drawing Sheet-1)

Ind. Cl. : 32 B

184645

Int. Cl.<sup>4</sup> : C 07 C—15/02

"AN IMPROVED PROCESS FOR THE PREPARATION OF CHLORINATED ARENES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, INDIA.

Inventor(s) : TIMMANNA TIMMANNA UPADHYA-INDIA, THOMAS DANIEL-INDIA, ARUMUGAM SUDALAI-INDIA, BALAKRISHNAN JAYACHANDRAN-INDIA, THOTTAPP ALLIL RAVINDRANATHAN-INDIA.

Application for Patent No. 693/DEL/96 filed on 29.03.96.

Appropriate Office for Opposition Proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 5 Claims

An improved process for the preparation of chlorinated arenes using a kaolinitic clay as a catalyst which comprises reacting arenes or substituted arenes with chlorinating agents such as chlorine gas or organic chloro solvent in presence of kaolinitic clay at reflux temperature for 2 hours, separating the clay by simple filtration and recovering the chlorinated arenes by the removal of solvent by evaporation.

(Complete Specification 12 Pages,

Drawing Sheets Nil)

Ind Cl. : A01 N, 37/00

184646

Int. Cl.<sup>4</sup> : 55 D<sub>1</sub>, D<sub>2</sub>

"A PROCESS FOR THE PREPARATION OF A COMPOSITION USEFUL AS A REPELLENT FOR HOUSEFLY."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : ARUN KUMAR TRIPATHI-INDIA, KISHAN KUMAR AGGARWAL-INDIA, SUSHIL KUMAR-INDIA.

Application for Patent No. 694/DEL/96 filed on 29.03.96.

Appropriate Office for Opposition Proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 5 Claims

A process for the preparation of a composition useful as a repellent for housefly which comprises blending the diethylphthalate with conventional natural essential oil(s) or their mixture in the ratio of 1:1 to 5:1.

(Complete Specification 10 Pages,

Drawing Sheet-Nil)

Ind. Cl. : 60 X<sub>1</sub>

184647

Int. Cl.<sup>4</sup> : A01N 1/00

"A PROCESS FOR THE PREPARATION OF A FORMULATION USEFUL AS AN INSECT-PEST PROTECTANT."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001 (INDIA).

Inventor(s) : ARUN KUMAR TRIPATHI-INDIA, KISHAN KUMAR AGGARWAL-INDIA, SUSHIL KUMAR-INDIA.

Application for Patent No. 695/DEL/96 filed on dt. 29.03.96.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

#### 4 Claims

A process for the preparation of a formulation useful as an insect-pest protectant particularly against insect-pests of stored grains which comprises blending the oil extracted from the plant of the genus *Artemisia annua* with one or more of natural essential oil(s) such as herein described in the ratio ranging from 1:1 to 1:2.

(Complete Specification 18 Pages,

Drawing Sheet Nil)

Ind. Cl. : 55 E<sub>4</sub>

184648

Int. Cl.<sup>4</sup> : A 61 K, 31/00

"A PROCESS FOR THE PREPARATION OF BACCATIN III."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : SUNIL KUMAR CHATTOPADHYAY-INDIA, RAM PRAKASH SHARMA-INDIA, SUSHIL KUMAR-INDIA, KUNNATH PADMANABHAN MADHUSUDANAN-INDIA.

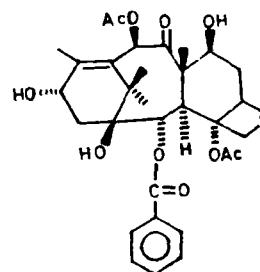
Kind of Application : COMPLETE.

Application for Patent No. 1532/DEL/96 filed on 11.07.96.

Appropriate Office for Opposition Proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

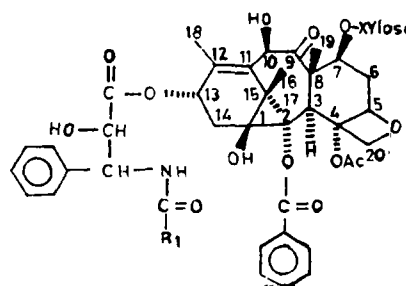
#### 10 Claims

A process for the preparation of baccatin 111 of the formula 2



(2)

as shown in the drawing accompanying this specification which comprises isolating by known methods a mixture of three analogues of taxol of general formula 1



(1)

shown in drawing accompanying this specification wherein R<sub>1</sub> is C<sub>6</sub>H<sub>5</sub> (7-xylosyl-10-deacetyl taxol), tiglate (7-xylosyl-10-deacetyl cephalomannine) and C<sub>2</sub>H<sub>11</sub> (7-xylosyl-10-deacetyl taxol c) from the stem bark of *Taxus Wallichiana* dissolving the said mixture in polar solvents, then reacting with aqueous alkali metal periodates at room temperature, acylating in a known manner the resultant mixture with acylating agents in a base, reducing the acetate with alkali metal borohydrides in polar solvents, then acidifying with mineral acids in chlorinated solvents followed by isolating baccatin 111 of formula (2) by column chromatography.

(Complete Specification 11 Pages,

Drawing Sheet-1)

Ind. Cl. : 32 F (2a)

184649

Int. Cl.<sup>4</sup> : C 07 C, 13/26**A PROCESS FOR THE PRODUCTION OF 10-DEACETYL TAXOL (DAT).**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

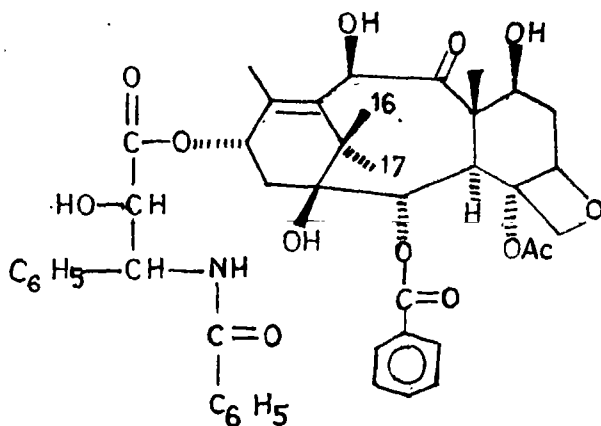
Inventor (s) : SUNIL KUMAR CHATTOPADHYAY-INDIA, RAM PRAKASH SHARMA-INDIA, SUSHIL KUMAR-INDIA, KUNNATH PADMANABHAN MADHUSUDANAN-INDIA.

Application for Patent No. 1803/DEL/96 filed on 14.08.96.

Appropriate Office for Opposition Proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

**7 Claims**

A process for the production of 10-Deacetyl taxol (DAT) which comprises (i) isolating 7-xylosyl-10-deacetyl taxol of the formula (1) of the



drawing accompanying the specification from the stem bark of *T. Wallichiana* by known method, (ii) dissolving the analogue in a polar solvent and treating with an aqueous solution of alkali-metal periodates at room temperature to give a solid residue, (iii) dissolving the residue in a polar solvent and reacting with hydrazine derivatives/compound at ambient temperature, (iv) then treating with polar solvents and mineral acids to give a solid crude residue of DAT, and isolating DAT from the said solid by column chromatography.

(Complete Spec. 11 Pages,

Drawing Sheet-1)

Ind. Cl. : 32 F (2b), 55 E,

184650

Int. Cl.<sup>4</sup> : A61 K, 33/16, C07 G, 11/00**AN IMPROVED PROCESS FOR THE PREPARATION OF CIPROFLOXACIN,**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : UTTAM RAMRAO KALKOTE, INDIA, ROHINI RAMESH JOSHI-INDIA, RAMESH ANNA JOSHI-INDIA, VISHNU HARI DESHPANDE-INDIA, THOTTAPPILLIL RAVINDRANATHAN-INDIA.

Application for Patent No. 1810/DEL/96 filed on 14.08.96.

Appropriate Office for Opposition Proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

**6 Claims**

An improved process for the preparation of Ciprofloxacin which comprises treating N-cyclopropyl-7-chloro-6-fluoro-4-oxo-1, 2-dihydro-

quinoline-3-carboxylic acid with 1.5 to 2.5 equivalent piperazine at 120-200°C in polar solvent or mixture thereof for 4 to 5 hours, cooling the reaction mixture to room temperature and separating the Ciprofloxacin formed in the reaction mixture by conventional methods such as herein described.

(Complete Spec. 8 Pages,

Drawing Sheet-1)

Ind. Cl. : 88 [XXX II]

184651

Int. Cl. : B 01 D—46/42, F 02 M—35/08

**DEVICE TO DISPLAY UNDER PRESSURE IN A FILTER ELEMENT.**

Applicants : FILTERWERK MANN + HUMMEL GMBH OF HINDENBURGSTR 37—45, POSTFACH 409, 71631 LUDWIGSBURG, GERMANY GERMAN COMPAY.

Inventors : (1) KLAUS MOSSINGER, (2) STEFAN KOCHERT.

Application No. : 496 BOM 95 filed on 23.11.95, (Priority date 24.02.95 Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

**2 Claims**

A device to display under pressure in a filter element comprising a housing (10) closed with a lid (14) wherein a membrane (15) fixed between the housing and the lid; a piston (16) moving axially fitted to the said membrane (15) and the said piston (16) open to atmospheric pressure; a filter element (13) provided in the housing interior (12) for preventing entry of dirt; a magnetic snap element (17) mounted on supporting body (19) on the lower side through a lug (18); and electrical contact spring (20), located below the said snap element, lies in the resting position at the base (21) and a contact plate (22) is electrically connected with the terminal pins (23), (24).

(Comple. Spec. 8 Pages,

Drgns. 2 Sheets.)

Ind. Cl. 53 E [LII (5)]

184652

Int. Cl. B 62 K—21/06

**A BOTTOM BRACKET BEARING FOR PADDLE CRANK OF BYCYCLE.**

Applicants : JING-CHEN LIN, No. 173, KUEI SUEI STREET, KAOHSIUNG CITY, TAIWAN & MING-CHANG LIN, NO. 66, HUAI AN STREET, KAOHSIUNG CITY TAIWAN.

Inventors : (1) JING CHEN LIN, (2) MING-CHANG LIN.

Application No. : 505/BOM/1995 filed on 1.12.1995.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, Mumbai-13.

**2 Claims**

A bottom bracket bearing for paddle crank of bicycle comprising a five way tube system supporting an axle for paddle crank; said axle having a pair of flanges with circular arc at a distant with both ends reducing quadrangle extended to outside; said five way supporting tube having internal threads at its both side ends, matching to the external thread of flanged cup and adjusting cup, for holding the said axle aligned; having a pair of ball bearing, one of which provided between said flanged cup and flanged circular arc and other one provided between adjusting cup and flanged circular arc; and said adjusting cup locked with a lock nut after assembling of bearing.

(Comple. Spec. 10 Pages,

Drgs. 9 Sheets.)

Ind. Cl. : 76 I Gr. [LXIV (4)]

184653

Int. Cl. : E 05 C-1/10

**A SLIDING WINDOW SHUTTER LATCH.**

Applicant & Inventor : SANJAY HANSRAJ GAJARIA OF 11, PARIMAL SOCIETY, 3RD FLOOR, BHOGILAL FADIA ROAD, KANDIVALI WEST, MUMBAI-400067, MAHARASHTRA, INDIA, AN INDIAN NATIONAL.

Patent Application No. : 531/Bom/95 filed on 18.12.95.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Mumbai-400 013.

**5 Claims**

A sliding window shutter latch, adopted to be mounted in the shutter and window frame, comprising a body of longitudinal strip with upper half portion having deep cavity and lower half plain surface; a opening in the lower side of said cavity communicating to rear side of said lower half plain surface; a channel portion from the said opening to lower side converging into a point pin with rivet head; a latch slider provided in the said channel portion of said body; the said slider having a head-portion at top and a pair of guiding members at lower side with smooth surface at one side; a longitudinal slot provided to the said smooth surface between the said head and root of guide members for accommodating a compression spring therein; a first and second flanges provided to said slide at top of slot and integrally formed in the said channel portion of body respectively, for supporting a compression spring; a step portion with centrally tapped hole and two studs at lower side of said step provided to the other side of said step portion by screw means with hook facing upper side to engage to catch bracket provided to the window frame and a guide washer riveted to said point pin after mounting the said slider in the said body.

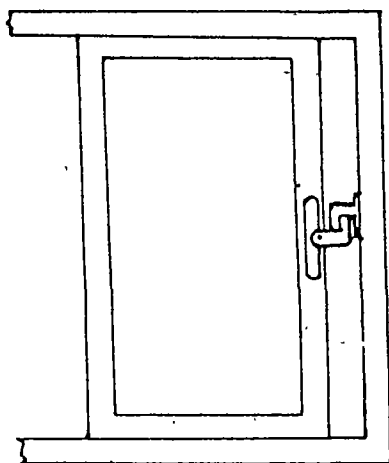


FIG : 2b

(Comp. Specn. 11 Pages,

Drgs. 4 Sheets)

Ind. Cl. : 49 E Gr. [XV(1)]

184654

Int. Cl. : A 47 J—43/00

**AN IMPROVED ROTI MAKER.**

Applicants : ANJALI PLASTECH PRIVATE LIMITED OF PLOT NO. 12, SILVER INDUSTRIAL ESTATE, BHIMPORE, DAMAN 396 210, GUJARAT, INDIA, AN INDIAN COMPANY.

Inventor : TARUN RAMNLAL DESAI.

Application No. : 541/Bom/95 filed on 22-12-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

**2 Claims**

An improved Roti maker consisting lower hot plate (6) and a upper hot plate (11) pivotably connected at edges; the said hot plates provided with heating element (10) with cover (5) for lower hot plate and upper cover (12) for upper hot plate which are electrically connected with cord (9) through a OFF and ON switch (7); the lower hot plates is provided with stands (3) and (8) to place the device in horizontal position with a indicator lamp (4) provided on the said stand (3); a pressure lever (1) supported to a fulcrum at extended member (Y) of lower plate; and the said upper plate provided with handle (2) for lifting the upper hot plate.

(Comp. Specn. 7 Pages,

Drgs. 2 Sheets)

Ind. Cl. : 76 H [LXIV (4)]

184655

Int Cl B 67 B, 5/03

**AN IMPROVED SEAL**

Applicants : MR JIMMY SORAB CANTEENWALLA 5, CAMA BUILDING, CAMA ROAD, ANDHERI (WEST), MUMBAI-400 058, MAHARASHTRA, INDIA.

Inventor(s) -IDEM-

Application No. 17/Bom/96 filed on 10-1-96 COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION 6-6-96

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013

**11 Claims**

An improved seal consisting of :-

- (i) A box, open at its one end characterised in that at least one of its side being entirely or partly transparent, having within it at least one 'U' ring bracket co-axial to the open end of the said box, and an upright wedge/spike at its base; and
- (ii) A cotter pin insert which when spread has a span greater than the opening of the said 'U' ring bracket of the said box

(Prov Specification : 12 pages,

Drawings 1 sheet)

Comp Specification : 14 pages

Ind Cl. : 170 D

184656

Int Cl. C 11 D 9/22

**A SYNERGISTIC WASHING COMPOSITION WITH HIGH WATER CONTENT FOR PERSONAL OR FABRIC WASHING**

Applicants. HINDUSTAN LEVER LTD. , HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA INDIA.

Inventors : 1. VELAYUDHAN NAIR GOPAKUMAR, 2 MILIND VINAYAK BHANDARY, 3. DHANRAJ KALYANASUNDARAM, 4 DEVADATTA SHIVAJI SANKHOLKAR

Application No. : 38/Bom/1996 filed on Jan 19, 1996

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

**11 Claims**

A synergistic washing composition with high water content for personal or fabric washing comprising

- (i) 25 to 80% by weight of soap;
- (ii) 10 to 50% by weight of water,
- (iii) 0.05 to 5% by weight of water soluble anionic polymers and/or copolymers having a molecular weight range 500-30,000; and/or, upto 5% by weight of carboxylated nonpolymeric compounds, with or without
- (iv) other additives

(Comp. Specification : 33 pages,

Drawings NIL)

Ind. Cl. : 65 B1

184657

Int. Cl. : H 02 H - 7/04

**A SINGLE PHASE TRACTION TRANSFORMER FOR AC ELECTRIC LOCOMOTIVE AND A METHOD OF MANUFACTURING THE SAME.**

**Applicants :** CROMPTON GREAVES LIMITED, 1 Dr. V. B. GANDHI MARG, MUMBAI-400 023, MAHARASHTRA, INDIA.

**Inventors :** (1) AVINASH NARAYAN KUMTHEKAR & (2) SHRIKRUSHNA MARTAND GANDHALIKAR

**Application No. :** 221/Bom/96 filed on 19-4-1996

**Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.**

#### 09 Claims

A single phase traction transformer for ac electric locomotive consisting of a core and coil assembly disposed in a tank in the vertical plane, said core comprising three vertically spaced apart limbs between a bottom yoke and a top yoke and made of magnetic material laminations and said coil comprising an auxiliary winding of sheet conductor and a regulating auto winding of insulated rectangular conductor provided with tappings wound one over the other concentrically as continuous layers electrically insulated from each other and defining oil flow ducts there between, said auxiliary and regulating autowinding being mounted on one of said limbs electrically insulated therefrom, said coil further comprising a secondary winding of sheet conductor and a primary winding of insulated rectangular conductor wound one over the other concentrically as continuous layers electrically insulated from each other and defining oil flow ducts there between, said primary and secondary windings being mounted on the remaining limbs of the core electrically insulated therefrom, said core and coil assembly being held in a frame electrically insulated therefrom and the start and finish ends of each of said windings being joined together to form leads of the respective windings.

(Comp. Specn. 20 pages:

Drgs. 6 sheets)

Ind. Cl. : 108 C-3

184658

Int. Cl. : C 21 C 5/42, 7/068, 7/072

#### AN IMPROVED PROCESS OF MAKING ALLOY STEEL

**Applicant :** MR. MUKESH BHANDARI OF A-1, SKYLARK APTS., SATELLITE ROAD, AHMEDABAD-380015, GUJARAT, INDIA.

**Inventor :** -IDEM-

**Application No. :** 278/Bom/96 filed on May 22, 1996

**Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.**

#### 2 Claims

An improved process for making alloy steel from remelting different grades of scrap in melting and refining in the same furnace consisting of a shell (1) lined with refractory bricks (2), a bottom electrode (7), molten

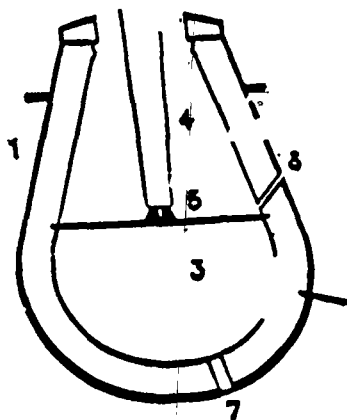


FIG. 1A

metal (3), a top electrode (4) with its flame (5) and tuyeres (6); the current flows from top electrode through the liquid metal through the bottom electrode thereby creating a magnetic field which causes intensive stirring, first melting process is completed and subsequently the furnace is tilted backward so as to submerge tuyer (6) in the liquid metal to complete the reduction of carbon and other unwanted element with the addition of oxygen or nitrogen gases and to complete melting and refining of small quantity economically.

(Complete Specification : 10 pages

Drawings : 3 sheets)

Ind. Cl. : 107 D [XLVI (2)]

184659

Int. Cl. : F 04 B 39/00.

#### A CONNECTING ROD FOR USE IN HERMETICALLY SEALED COMPRESSOR UNITS OF SMALL CAPACITY.

**Applicant :** KIRLOSKAR COPELAND LIMITED, OF DADHE-RAIKAR HOUSE, 2007, TILAK ROAD, PUNE-411 030, MAHARASHTRA, INDIA.

**Inventor :** VIJAY GOVIND SARDESAI.

**Application No. :** 315/Bom/96 filed on 14-6-1996.

**Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.**

#### 2 Claims

A connecting rod for use in hermetically sealed compressor units of small capacity, said connecting rod comprising an elongate body defining two ends :

a big bore end having an annular aperture which fits on the eccentric journal of the crank shaft; and

a small end connected to the piston through piston pin (wrist pin); characterized in that a semi annular portion of the big bore end of the connecting rod is removed, thereby reducing the operative height of the crank shaft and the pump assembly by the thickness of the material removed.

(Complete Specification : 9 pages :

Drawings : 1 sheet)

Ind. Cl. : 61 A (VIII)

184660

Int. Cl. : F 26 B 13/02

#### DRYER FOR CONTINUOUS TEXTILE WEBS.

**Applicant :** M/s. BABCOCK TEXTILEMASCHINEN GMBH OF HITTFELDER KIRCHWEG, 21, D-21220 SEEVETAL, GERMANY.

**Inventors :** -IDEM-

**Application No. :** 318/Bom/96 filed on June 18, 1996

**Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.**

#### 8 Claims

Dryer for continuous textile webs, with rotating, horizontally or vertically guided tentering chains, to which holding members, such as pin bars or tenterhooks, are fastened, with chain rails which are displaceable in the region of edge zones transversely to the running direction of the textile web, with blast boxes which are arranged above and below the textile web and which at least partially cover the edge zones, and with additional blast pipes which are fastened to the chain tracks in a length portion starting at the dryer entry and are oriented parallel to the chain tracks and which are provided with nozzle orifices, the blast direction of which is aimed at the edges of the textile web, characterized in that the length portion equipped with blast pipe (27, 28) comprises at least 20% of the total length of the dryer, in that, in this length portion too, blast boxes (18, 19) are arranged both above and below the textile web, and in that at least one additional blower (32) is provided for supplying drying medium to the blast pipes (27, 28) under increased pressure.

(Complete Specification : 15 pages

Drawings : 4 sheets)

Ind. Cl. : 136 C

184661

Int. Cl.<sup>4</sup>. B 29 C 47/04

"AN EXTRUDER FOR THE PROCESSING AND PRODUCTION OF RUBBER AND THERMOPLASTIC MATERIALS"

Applicant HERMANN BERSTORFF MASCHINENBAU GMBH, A GERMAN COMPANY, OF AN DER BREITEN WIESE 3/5, 3000 HANNOVER 61, GERMANY

Inventor(s) GERD CAPELIE—GERMANY, MARTIN PREUSS—GERMANY

Application for Patent No. 1216/Del/91 filed on 11-12-91

Appropriate Office for Opposition Proceedings Rule 4 (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

## 14 Claims

An extruder for the processing and production of rubber and thermoplastics materials, comprising —

an extruder barrel having a longitudinal axis, an inlet opening in a feed zone, and an outlet opening —

an extruder screw mounted for rotation about its longitudinal axis in said barrel, said screw being formed with screw flights having channels therebetween which define with said barrel a processing space, and means for driving said screw, and wherein

said extruder has successively located mixing and homogenizing zones, said mixing zone comprising a pin-lined barrel zone in which pins protrude radially into the processing space of the barrel, said screw flights being interrupted in the region of said pins to accommodate screw rotation.

said homogenizing zone comprising a transfer section in which said extruder screw has a constant reduction in its channel volume to zero from a feed portion of said transfer section to a discharge portion of said transfer zone, and then a channel volume increase up to a maximum value, and in which said extruder barrel has uninterrupted barrel channels which increase their channel volume from zero to a maximum value from said feed portion to said discharge portion of the transfer section, to drop subsequently back to a channel volume of zero, and in which the barrel channels are disposed approximately helically about the longitudinal axis of said extruder, radially adjustable restricting pins located in the region of the maximum channel volume of the barrel channels so as to protrude through the barrel and into the barrel channels as well as into the processing space, and wherein the number of channels, and consequently the number of screw flights and barrel flights, is constant in the feed portion and in the discharge portion of the transfer section independently of the barrel and screw channel cross-sectional areas

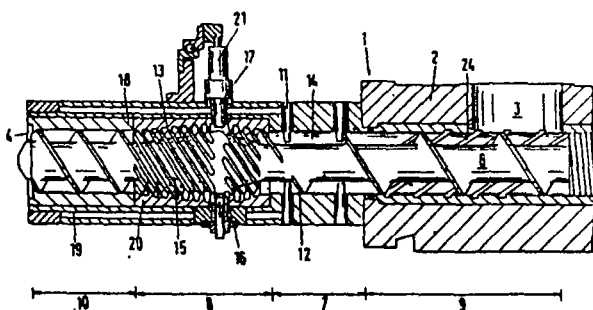


Fig. 2

(Complete Specification 19 pages

Drawing sheets 6 page).

Ind. Cl. : 50D

184662

Int. Cl.<sup>4</sup> F 25 D 19/00

"A TUBE STACK FOR USE IN THE AIR CONDITIONING UNIT"

Applicant SIDWAL REFRIGERATION INDUSTRIES PRIVATE LIMITED, PLOT 23, SECTOR 6, FARIDABAD-121 001, HARYANA, INDIA

Inventor SHERJANG SINGH SIDHU—INDIA

Application for Patent No. 1220/Del/91 filed on 12-12-91

Complete left after Provisional filed on 20-01-93

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005

## 3 Claims

A tube stack for use in the air conditioning unit comprising —

- (i) a plurality of tubes disposed in a spaced relationship to each other for the flow of a working fluid therein,
- (ii) a plurality of fins disposed in a spaced relationship and held to said tubes;
- (iii) end plates provided at or in the proximity of both ends of said tubes;
- (iv) characterised in that secondary tubes adapted to be connected with a source of fluid such as water, being secured to said end plates

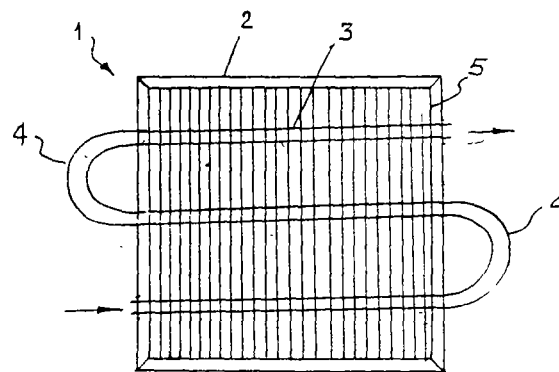


Fig. 2

Provisional specification 6 pages

Drawing sheet Nil

Complete specification 10 pages

Drawing sheet 1

Ind. Cl. 12 A

184663

Int. Cl.<sup>4</sup> C 22C 1/04, 38/00

"A PROCESS FOR THE PREPARATION OF STAINLESS STEEL POWDERS FROM STAINLESS STEEL SHEETS, SCRAPS, RODS THROUGH CHEMICAL ROUTE"

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT

InventorINDER SINGH—INDIA

Kind of Application Complete

Application for Patent No. 1233/Del/91 filed on 16-12-91

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005

## 8 Claims

A process for the preparation of stainless steel powders from stainless steel sheets/scrap/rods through chemical route which comprises :

- (a) Heating the stainless steel sheets/scrap/rods at a temperature range of 450 to 900 deg C for a period of 0.5 to 4 hours, for precipitating chromium carbide,
- (b) cooling the said stainless steels from 900 deg. C to room temperature, followed by cleaning by inhibited inorganic mineral acids or organic acids in the temperature range of 50 to 90 deg. C,
- (c) Immersing the cold stainless steel sheets/scrap/rods in a novel bath having the following composition .—  
 Salts of alkali and alkaline earth metals in the range of : 5 to 25% w/v  
 Alkali/alkaline earth metals halides in the range of : 0.1 to 25% w/v  
 Acids in the range of : 5 to 30% v/v  
 at a temperature in the range of 60 to 110 deg. C for a period of 1 to 4 hours, for deposition of positive metal
- (d) Dissolving the deposited metal from the steel surface in inhibited nitric/sulphuric acid at a temperature range from room to 70 deg. C,
- (e) grinding the treated sheets/scrap/rods in the medium of dilute inhibited acid solution for a period range of 1 to 4 hours,
- (f) subjecting the ground powder to a concentration in the range of 20–30% of inorganic mineral acid or organic acid for a period of 1 to 4 hours,
- (g) washing the powder with running water and rinsing with a volatile solvent to get the stainless steel powders.

(Complete specification 13 pages

Drawing sheet Nil).

Ind. Cl : 189 (9)

184664

Int. Cl.<sup>4</sup> : A 61 F 13/16, 13/18

"A SANITARY NAPKIN".

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, U.S.A.

Inventor : THOMAS WARD OSBORN—U.S.A.

Application for Patent No. 1247/Del/91 filed on 18-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005

## 7 Claims

A sanitary napkin having a longitudinal centerline, two longitudinal side margins (30) and two lateral side margins, (32) said sanitary napkin comprising :—

a liquid pervious topsheet, (22)

a liquid impervious backsheet (24) at least partially peripherally joined to said topsheet;

a transversely segmented absorbent core positioned between said topsheet (22) and said backsheet, (24) said transversely segmented absorbent core (26) being divided into a plurality of independent segments having transverse edges,

and means to promote relative longitudinal movement between adjacent segments of said core which comprises said transverse edges of said independent core segments being mutually co-bevelled.

(Complete Specification 19 pages

Drawing sheets 2)

Ind. Cl : 164C

184665

Int. Cl.<sup>4</sup> : C 02F 9/00

"A PROCESS FOR THE PURIFICATION OF INDUSTRIAL EFFLUENTS BY REMOVING THE TOXIC MATERIALS CONTAINED THERE TO PRODUCE POTABLE WATER"

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF COMPANIES ACT.

Inventor(s) : BALAMANI BEZBARUAH—INDIA, AJIT KUMAR TAMULI—INDIA

Application for Patent No. 1249/Del/91 filed on 19-12-91

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

## 4 Claims

A process for the purification of industrial effluents by removing the toxic materials contained there to produce potable water which comprises growing the strain belonging to the species of *Proteus* and *sporo-sarchina* such as here in described in a culture medium containing the toxic chemical to be removed and a carbon, harvesting the resulting cells, washing, the said harvested cells with sterile distilled water, then immobilising the cells by conventional methods, to form beads, supporting the resultant beads in a mesh such as nylon netting or stainless steel, contacting the said industrial effluents with the said immobilised cell packed in the mesh and collecting potable water thus formed.

(Complete Specification 8 pages

Drawing sheets Nil)

Ind. Cl. : 40B

184666

Int. Cl.<sup>4</sup> : B 01J, 29/06

"A PROCESS FOR THE PREPARATION OF HIGH SILICA ZEOLITE ZSM-5 WITHOUT USING A TEMPLATING AGENT"

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) : JAGANNATH DAS—INDIA, ANJANA BHATTACHARYA—INDIA, SISIR KUMAR ROY—INDIA.

Application for Patent No. 1279/Del/91 filed on 27-12-91.

Complete left after provisional filed on 23-12-92.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005

## 4 Claims

A process for the preparation of high silica zeolite ZSM-5 without using a templating agent which comprises :—

- (a) converting paddy husk to ash by known methods,
- (b) extracting silica from paddy husk ash with alkali by known methods,
- (c) mixing extracted silica, aluminium sulfate, seed crystals of ZSM-5, sulphuric acid acetone and water at a pH in the range of 8.0 to 10.0,
- (d) heating the mixture for 8–24 hrs at a temperature in the range of 150–200° C under autogenous pressure &
- (e) washing the resultant product with water to remove soluble ions and drying at a temperature in the range of 100–150°C.

(Provisional Specification 4 pages

Drawing sheet Nil).

(Complete Specification 12 pages

Drawing sheet Nil)

Ind. Cl. : 71 G

184667

Int. Cl.<sup>4</sup> : E 02F-7/00**A REPLACEABLE WEAR MEMBER FOR PROTECTING THE DIGGING EDGE OF AN EXCAVATOR.**

Applicant : ESCO CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OREGON, UNITED STATES OF AMERICA, OF 2141 N.W. 25TH AVENUE, PORTLAND, OREGON 97210, UNITED STATES OF AMERICA.

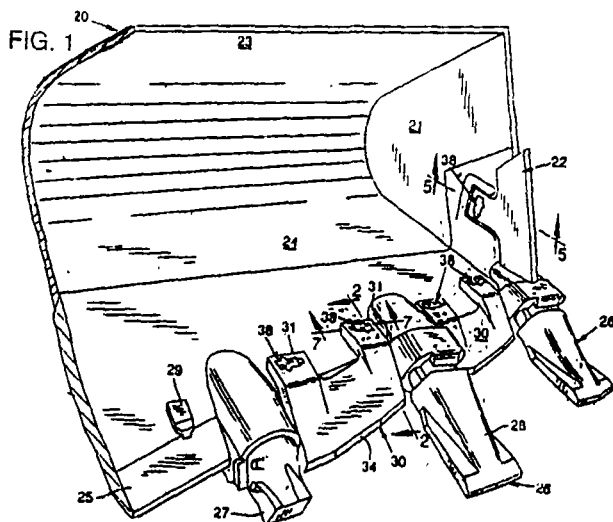
Inventor : LARREN F. JONES—U.S.A.

Application for Patent No. 1292/DEL/91 filed on 31-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

**9 Claims**

A replaceable wear member for protecting the digging edge of an excavator comprising a unitary metal member (22, 30) having a substantially U-shape in side elevation providing a pair of spaced-apart legs (31, 32) connected by a forward connecting portion (33), each leg (31, 32) having an inner surface, an outer surface and a rear end, at least one of said legs (31) being equipped with an opening (39) in the outer surface thereof spaced from said rear end of said one leg (31), characterized in that said one leg (31) is equipped with a longitudinal, substantially T-shaped slot (35) extending to the rear end of said one leg (31) so as to slidably engage a complementarily contoured boss (29) on the excavator, and said opening (39) communicates with said slot (35) to receive a lock member (38) against a rear surface of said opening (39) and a rear surface of the boss (29) to prevent said wear member (22, 30) from moving forward along the boss (29).



(Complete Specification 17 pages

Drawing sheets 4).

Ind. Cl. 27 A

184668

Int. Cl.<sup>4</sup> : C08 L, 91/00**A MILD PERSONAL CLEANSING BAR COMPOSITION.**

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s) : BRUCE LAWRENCE REDD—U.S.A., EDDIE CHARLES WALKER—U.S.A., ROBERT EDGAR HARE—U.S.A., DONALD AARON NIEDERBAUMER—U.S.A., JAMES CHARLES DUNBAR—U.S.A., THERESA ANNE BAKKEN—U.S.A.

Application for Patent No. 0183/DEL/92 filed on 04-03-92.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

**9 Claims**

The mild personal cleansing bar composition having a pH of from 6.5 to 8.5 in a 1% aqueous solution at 25° C comprising :

from 20% to 50% lathering mild synthetic surfactant

from 5% to 50% of magnesium soap, and

the balance being optional conventional components mainly electrolyte, water hydrophobic material or non-soil-load-diluents or mixture thereof, wherein the ratio of said lathering mild synthetic surfactant to said soap is from 10:1 to 0.4:1

(Complete Specification 36 Pages

Drawing Sheet Nil).

Ind. Cl. : 187 D<sub>4</sub>, C<sub>4</sub>, Lx1(2), 187 F

184669

Int. Cl.<sup>4</sup> : H 01B 17/00**TERMINAL BLOCK.**

Applicant : PSI TELECOMMUNICATIONS, INC., A CORPORATION OF THE UNITED STATES OF AMERICA, INCORPORATED IN THE STATE OF NEVADA, WHOSE PRINCIPAL PLACE OF BUSINESS IS 3333 NORTH SAN FERNANDO BOULEVARD, BURBANK, CALIFORNIA 91504, U.S.A.

Inventors : CHARLES WILLIAM WAAS—U.S.A. & MARK R. JESPERSEN—U.S.A.

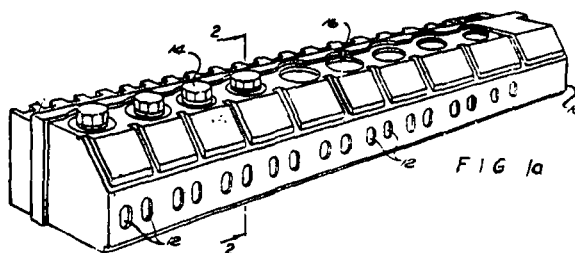
Application for Patent No. 359/DEL/92 filed on 24-04-92

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

**9 Claims**

A multi-wire terminal block, comprising :-

- an elongated (10) housing having a one or more chambers (22) and a plurality of holes (12) for inserting wire pairs into said one or more chambers; (22)
- one or more of (40) electrical contact elements, respectively configured is each of said one or more chambers; (22)
- one or more wire (24) carrier members, each positioned in a respective one of the one or more chambers, (22) each of said wire, carrier (24) members having one or more openings (28) to receive wire pairs inserted through the holes in said chambers, and each said wire (24) carrier member being movable within the chamber so as to move a wire engaged thereby into contact with said electrical contact element; and
- one or more (14) actuator means each coupled to a respective one of said one or more wire carrier members (24) for moving said wire carrier (24) member within said chamber and relative to said actuator means in a manner such that the wire carrier member and the actuator means do not change their path of entry into the chamber.



(Complete Specification 21 Pages

Drawings Sheets 4).

Ind. Cl. : 32E

184670

Int. Cl.4 : C 08 G, 18/7, 18/80.

**PROCESS FOR THE PREPARATION OF A POLYURETHANE AND/ OR POLYURETHANE UREA ELASTOMER**

Applicant : KARL FISCHER INDUSTRIEANLAGEN GMBH, HOLZHAUSER STRASSE 157 D—1000 BERLIN 27 FEDERAL REPUBLIC OF GERMANY.

Inventors : DIETER LEHMANN—Germany, MATTHIAS BRAUER—Germany and CORNELIA BELLMANN—Germany.

Application for Patent No. 45/DEL/93 filed on 20-01-93

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 12 Claims

Process for the preparation of a polyurethane and/or polyurethane urea elastomer in the form of a (thermo) stable processable melt for use in the manufacture of shaped articles wherein said (thermo) stable processable melt is prepared by

Polyaddition/build-up reaction of extended-chain diols with diisocyanate to yield a prepolymer,

adding 1 to 25% by wt. of an auxiliary gelling and/or melting agent selected from the group of open chain or cyclic, protic carboxylic acid amide compounds or their mixtures

an aprotically dipolar solvents of the kind such as hereinbefore described:

a conventional chain lengthener :

the polymer being heated and subsequently cooled : wherein the recleaving temperature of the additive bond between carboxylic (1) acid amide of said melting agent and the isocyanate (2) group is lower than the lowest recleaving temperature of the urethane bond in isocyanate (3) groups and hydroxy (4) groups in the prepolymer and in the polyurethane and/or polyurethane urea elastomer.

(Complete Specification 12 Pages ;

Drawing Sheet Nil)

Ind. Class : 40 D

184671

Int. Cl. : B 03 C 3/00

AN APPARATUS FOR CONTROLLING AN ELECTROSTATIC PRECIPITATOR POWERED BY AN ALTERNATING POWER SOURCE.

Applicant : BELCO TECHNOLOGIES CORP. OF 7 ENTIN ROAD, PARSIPPANY, NJ 07054, USA, A DELAWARE CORPORATION.

Inventors : (1) FRANK GALLO & (2) JEAN-FRANCOIS VICARD

Application No. 258/MAS/94 filed on 04 April '94

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 11 Claims

An apparatus for controlling an electrostatic precipitator powered by an alternating power source (60) comprising : regulating means (30, 32, 34, 36) for regulating at least one precipitator operating parameter in response to at least one control signal; measurement means (38) coupled to the precipitator for providing measurement signals corresponding at least to precipitator secondary voltage and precipitator secondary current; and at least a processor (16) coupled to the measurement means (38) and to the regulating means (30, 32, 34, 36) for generating said at least one control signal, said processor (16, 26) having :

- sampling means to sample successive discrete values of the measurement signals corresponding to secondary voltage and secondary current during an individual half cycle of the alternating power source;
- means to determine present precipitator operating conditions based on at least the sampled values;
- means to predict precipitator operating conditions for the next half cycle of the alternating power source based on at least the present operating conditions, and
- signal varying means to selectively vary said at least one control signal by the next half cycle of the alternating power source in response to the predicted operating conditions.

(Complete Specification. : 41 Pages;

Drawing 07 Sheets)

Ind. Cl. : 103

184672

Int. Cl. : F 16 L 58/00, G 01 F 15/12

AN ELONGATE ROD FOR COUNTERING DEPOSITION ON A CONDUIT.

Applicant : ENVIRECON SERVICES LIMITED, AN IRISH COMPANY OF GRAFTON BUILDINGS, GRAFTON STREET, DOUBLIN 2, IRELAND.

Inventors : 1. ROBERT JOHN SPENCER & 2. JOHN GLYNN.

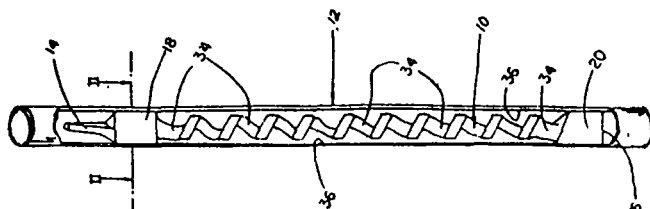
Application No. 378/MAS/94 filed on 6th May 1994.

Convention No. 930345 on 7th May 1993 in Ireland.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 10 Claims

An elongate rod (10; 110) for countering deposition on a conduit (12; 112), the rod (10; 110) being adapted for insertion and location in the conduit (12; 112), characterised in that the rod (10, 110) has a substantially helical, longitudinally extending groove (34; 134, 42).



(Comp. Specn. 13 pages :

Drgs. 2 Sheets.)

Ind. Cl. : 32 F 2 (a)

184673

Int. Cl. : C 07 C 79/22, C 10 L 1/22

A PROCESS FOR PREPARING FERROUS PICRATE.

Applicant : FUEL TECHNOLOGY PTY, LTD, A CORPORATION ORGANISED UNDER THE LAWS OF STATE OF AUSTRALIA OF 70 AD-ELAIDE STREET, PO BOX 1271, FREMANTLE, WESTERN AUSTRALIA 6160. AUSTRALIA.

Inventor : AN FREDERICK ELLIOT

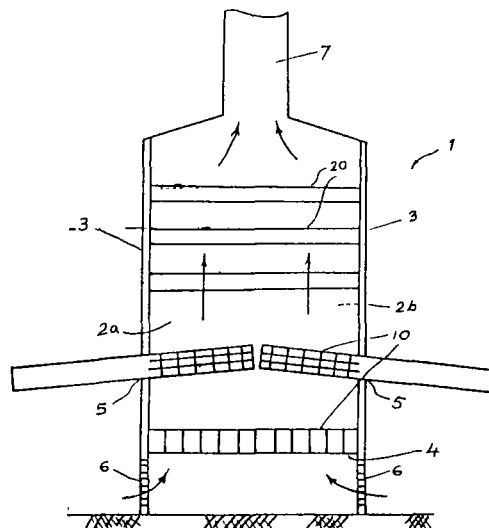
Application No. : 417/MAS/94 filed on 19th May 1994.

Convention No. PL 8875 on 19-05-1993 in Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 14 Claims

A process for preparing ferrous picrate comprising reacting under non-oxidising conditions ferrous carbonate free from ferric compounds with a water-free solution of picric acid in a solvent medium selected from an aromatic hydrocarbon solvent, a mixture of aromatic hydrocarbon solvents, a straight-or-a branched-chain aliphatic alcohol, a mixture of straight-and/or branched-chain aliphatic alcohols, and a mixture of straight-and/or branched-chain aliphatic alcohols with aromatic hydrocarbon solvents, to produce a solution of ferrous picrate



(Comp. Specn. 11 pages ,

Drgs : Nil sheets.)



Ind. Cl. : 98 I

184674

Int. Cl. : F 24 J 2/00

## A SOLAR DRIER.

Applicant : INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS, BALAPUR, HYDERABAD, INDIA; A SOCIETY REGISTERED UNDER SOCIETIES REGISTRATION ACT.

Inventors : 1. AYYAGARI SHIV KUMAR, 2. KHANNA VENKATA PHANI PRABHAKAR, 3. LEONARD L. VASILIEV, 4 & MISHKINIS DONATAS ALGIRDO.

Application No. 487/MAS/94 filed on 8th June 1994

Complete Specification Left 6th September 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 8 Claims

A solar drier comprising a chamber having slits provided on the side walls and in each of the front and back walls for the heating trays adapted to be introduced into said chamber through said slits, each of said heating trays has a plurality of tubes disposed in a spaced relationship to each other for the circulation of a working fluid within said tubes, air intake grid being provided below said trays, and a chimney being provided at the top side of said chamber for the exhaust of said air.

(Prov. Specn. 6 pages, Comp. Specn. 11 pages, Drgs. 3 sheets.)

Ind. Cl. : 98 I

184675

Int. Cl. : F 24 J 02/02

## A SOLAR COOKER.

Applicant : INTERNATIONAL ADVANCED RESEARCH, CENTRE FOR POWDER METALLURGY AND NEW MATERIALS, BALAPUR, HYDERABAD, INDIA, A SOCIETY REGISTERED UNDER SOCIETIES REGISTRATION ACT.

Inventors : 1. THANKAPPAN PILLAI RAJASHEKARAN, 2. KHANNA VENKATA PHANI PRABHAKAR, 3. LEONARD L. VASILIEV, 4. VICTOR L. VASILIEV & 5. MISHKINIS DONATAS ALGIRDO.

Application No. : 498/MAS/94 filed on 13th June 1994.

Complete Specification Left : 11th September 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 9 Claims

A solar cooker comprising a solar energy concentrator having an evaporator secured therewith at the focal point thereof, a condenser connected to said evaporator through heat flow pipe assembly being provided for receiving vapours from said evaporator, said condenser has a condensing box having a removable top plate/portion provided for receiving vapours for effecting the cooking operation, focusing means consisting of a gear mechanism being provided with said condenser to rotate said energy concentrator to focus the solar energy on said evaporator during whole day, and indicating means being provided for indicating the focus position of said concentrator on said evaporator.

(Prov. Specn. 8 pages; Comp. Specn. 12 pages ; Drgs. 2 sheets )

Ind. Cl. : 179 E, F

184676

Int. Cl. : B 65 D 41/00

## A CAP FOR A CONTAINER HAVING A SCREW THREADED OPENING

Applicant . THE WELLCOME FOUNDATION LIMITED, A BRITISH COMPANY OF UNICORN HOUSE, 160/EUSTON ROAD, LONDON NW1 2 BP ENGLAND.

Inventors : 1. BRIAN LESLIE OGDEN & 2. PETER ALBERT WHITING

Application No. : 505/MAS/94 filed on 14th June 1994.

Convention No. 9312275-2 on 15-06-1993 in Great Britain.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 8 Claims

A cap for a container having a screw threaded opening comprising an inner part (1) in the form of a screw threaded cap, an outer part (2) biased therefrom in a first locking position, by a resilient biasing means (3) located between the inner and outer parts, a projection (4) located on the inner part (1) the said projection being received in an aperture (8) formed in the outer part (2), and a tamper-evident member (6) secured on the outer top surface of the outer part (2) such that it substantially covers the aperture (8) such that on first removal of the cap from the container the outer part (2) is moved into a second, unlocking position, against the biasing, the projection (4) being received in the aperture (8) and projecting therebeyond to rupture at least a portion of the tamper-evident member (6).

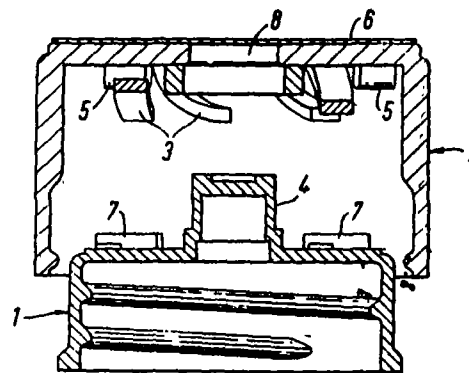


Fig. 1

(Comp. Specn. : 09 pages;

Drgs: 2 Sheets.)

Ind. Cl. : 6 A<sup>2</sup>

184677

Int. Cl. : F 25 B 1/10

## A REFRIGERATION COMPRESSOR.

Applicant : CASTTIKULM RESEARCH PTY. LTD., 2/6, HOLLOWAY DRIVE, BAYSWATER 3153, VICTORIA, AUSTRALIA, AN AUSTRALIAN COMPANY.

Inventor : RONALD DAVID CONRY

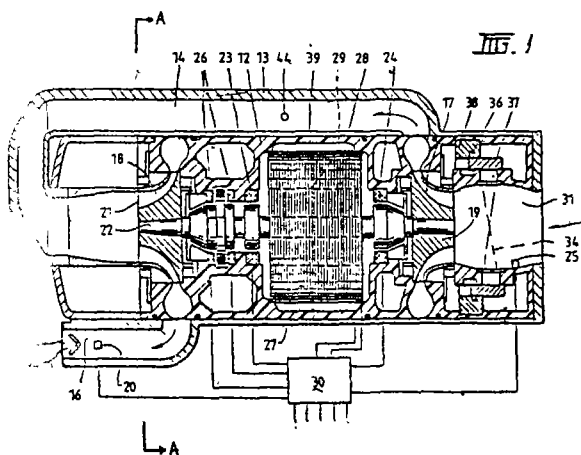
Application No. : 509/MAS/94 filed on 14th June 1994.

Convention No. : PL9394 on 15th June 1993 in Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 13 Claims

1. A refrigeration compressor comprising at least a first centrifugal compression stage having an impeller mounted on a shaft, an electric motor to drive the shaft, the motor having a rotor connected to the shaft and the shaft being supported by oilless radial bearings, axial locating means associated with the shaft to restrict axial movement thereof, a housing enclosing the motor and impeller, a port in the housing to convey refrigerant from a refrigerant expansion chamber, passageways in the housing to convey refrigerant to cool the motor and to convey refrigerant gas from the motor to a gas inlet, said housing incorporating an axially extending gas inlet and a gas outlet passage, gas throttling means in the inlet to control the supply of refrigerant gas to the impeller, control means to control the gas throttling means in response to load, said control means receiving input signals from refrigeration circuit components including evaporator means, pressure transducers in the gas inlet and gas outlet passage, gas throttling means, motor power supply means and motor speed sensor means, the control means operating to adjust the motor speed and gas throttling means in accordance with system load and logic control parameters to maintain predetermined refrigerant flow through the compressor.



(Comp. Specn. 19 pages :

Drgs. 7 sheets.)

Ind. Cl. : 172 B

184678

Int. Cl.<sup>4</sup> : D 02 G 1/00

**A DEVICE FOR TEXTURIZING CONTINUOUS FILAMENT THREADS.**

Applicant : MASCHINENFABRIK RIETER AG, CH-8406, WINTERTHUR, SWITZERLAND, A SWISS COMPANY.

Inventors : 1. GRAFFELIX, 2. MAIER JORG, 3. WAGNER RUDI 4. WIRZ ARMIN.

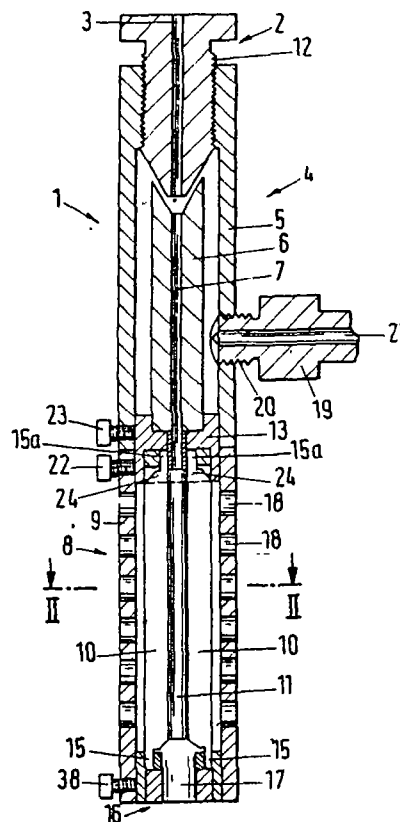
Application No. 516/MAS/94 filed on 16th June 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 8 Claims

A device for texturizing continuous filament threads by means of heated flowing media, the device comprising a thread infeed part for taking in the threads, a treatment part connected with the infeed part and having a treatment chamber for heating the threads, and a crimping part, the crimping part containing a slot nozzle, with the crimping part being connected to the treatment part, with the heated threads

being stuffed into the crimping part for forming a crimping in the threads, the slot nozzle being provided with plates being inserted in slots, the plates having an essentially rectangular cross section having first and second end faces and being radially arranged with one of said end faces facing the stuffed thread, with every plate taking the form of a flat steel part, with the ends of each plate being provided with a prolongation, while these prolongations having a width smaller than the width of the plate, wherein one prolongation borders directly on one of said end faces of the plate and the other prolongation borders directly on another one of said end faces of the plate



(Comp. Specn. 12 pages :

Drgs. 7 sheets.)

Ind. Cl. : 172 E

184679

Int. Cl.<sup>4</sup> : B 65 H 54/00

**AN APPARATUS FOR DISTRIBUTING WOUND YARN ON A FORMING BOBBIN DEVICE.**

Applicant : SAVIO MACHINE TESSILI S. R. L. OF VIA UDINE 105-PORDENONE, ITALY (A COMPANY ORGANIZED UNDER THE LAWS OF THE ITALIAN REPUBLIC)

Inventors : (1) NEREO MARANGONE & (2) LUCIANO BERTOLI  
(3) GIORGIO COLOMBEROTTO.

Application No. 525/MAS/94 filed on 20th June 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 3 Claims

An apparatus for distributing wound yarn on a forming bobbin device by a grooved drive roller in a collection station of a winding machine, which comprises : a control unit having :

a keyboard,

a mini-computer for feeding via the key board values relating to the winding parameters, ribbing orders considered to be damaging with respect

to the quality of winding waterway and a predetermined minimum distance between two consecutive yarn turns in one complete to-and-fro deposition of the yarn on the surface of the forming bobbin, said mini-computer having a computing centre for processing the values and a computerized formation of a group of curves for obtaining, each group having a constant winding ratio, the mini-computer capable of receiving electrical pulses generated upon each revolution, or a submultiple thereof of the grooved drive roller and a bobbin carrier mandrel of the bobbin by transducer probes applied thereto, to provide a continuous instantaneous indication of the rotational values of said drive roller and bobbin carrier mandrel, for comparing said values with said operational winding parameters within an electronic comparator of the minicomputer, to generate a plurality of command signals in continuous succession such that the collection station operates in regions not in proximity to a region undergoing the ribbing effect; and

a means for rotating the groove cylindrical roller at a constant rotational speed and a means for rotating the bobbin which rests under pressure on the groove cylindrical drive roller so as to cross the yarn by unwinding the yarn from an underlying feed package, said computing centre capable of :

determining moment by moment a deposition distance between two yarn turns successively deposited on the surface of the conical bobbin during formation; determining on the basis of previously recorded successive variations in distance between two consecutive turns when said distance falls below a predetermined minimum value, and when said distance again rises above said predetermined minimum value;

activating, before the distance between two consecutive yarn turns falls below the predetermined minimum value, a motive source which by a lever linkage progressively inclines the conical bobbin so as to vary the transmission ratio thereof with the groove cylindrical roller, in order to maintain the distance between consecutive turns at substantially a value greater than the predetermined minimum value and to progressively increase inclination of the bobbin each time the distance between said consecutive turns tends to fall, at least until the deposition of consecutive turns at a distance apart less than the predetermined minimum value ceases; and

initial conditions of operation are restored by operating the motive source so as to incline the bobbin in an opposite direction and to annul the previously induced inclination and cause a change in the transmission ratio, which at a certain moment assumes a value corresponding to deposition of turns at a distance apart less than the predetermined minimum distance apart, and with a rapidity so as to cause only an insignificant quantity of turns to be deposited in proximity with or superposed on each other to prevent damage to the quality of the bobbin under formation.

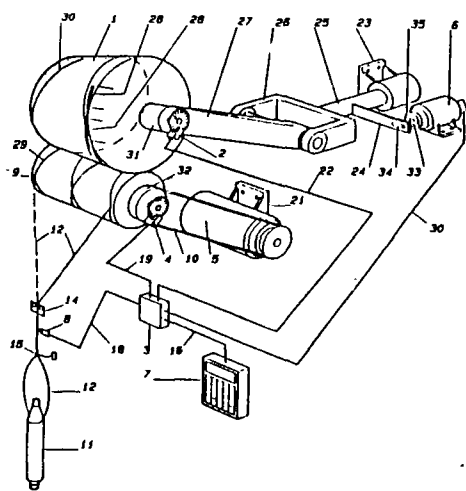


Fig.1a

(Comp. Specn : 29 Pages;

Drawings : 08 Sheets )

Ind. Cl. : 201 D

184680

Int. Cl. : C 02 F 3/34

"A PROCESS USING MICROORGANISMS FOR THE TREATMENT OF EFFLUENTS DISCHARGED BY THE PROCESS INDUSTRIES, SUCH AS, PULP AND PAPER, SUGAR, DISTILLERY AND TANNERY UNITS FOR OBTAINING DECOLOURED EFFLUENTS WITH REDUCED POLLUTION LEVEL".

Applicant : ESVIN ADVANCED TECHNOLOGIES LIMITED, Esvin, House, Peungudi, Chennai-600 096, Tamilnadu, India, A company duly organised and existing under the laws of the union of India.

Inventors : 1 TIPPRAMADEVI SAMBAMURTHY VENKATARAMAN, 2. Dr. SIVASWAMY NARENDER SIVASWAMY, 3. THANTHONI RAMANATHAN.

Application No. : 779/MAS/94 filed on 17th August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 2 Claims

A process using microorganisms for the treatment of effluents discharged by the process industries, such as herein described, for obtaining decoloured effluents with reduced pollution level, comprising the steps of selecting microorganisms of the fungus group belonging to the family Ascomycetes, isolated (in the known way) from marine sources, capable of producing a plurality of lignin degrading enzymes; inoculating a growth medium composed of carbon/nitrogen source, with the said microorganism; and incubating the resulting culture in the said effluents at pH 2-12 at ambient temperature, over a period of less than 72 hours, to obtain the said effluents in a decoloured state with reduced pollution level.

(Comp. Specn. 17 pages,

Drugs. Nil sheet.)

Ind. Class : 83A<sub>2</sub>.

184681

Int. Class. : A23C 9/00, 9/133.

A PROCESS FOR PREPARATION OF STABLE WHOLE COCONUT MILK.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : NAVIN KUMAR RASTOGI, KARUMANCHI SREESAILA MALLIKARJUNA SREENIVASA RAGHAVARAO, BETTADAPUR HIRIANNAIH SUBBA RAO & SHANKARAMTHADATHIL GANGADHARAN JAYAPRAKASHAN (INDIAN)

Application for Patent No. 2455/Del/95 filed on 29-12-95

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## 3 Claims

A process for preparation of stable whole coconut milk which comprises blending the homogenised, pasturised whole coconut milk with a novel stabilizer comprising of (a) Milk solids (Skim milk powder) in the range of 2.0-5.0%, (b) Partially hydrolysed starch in the range of 3.5-5.5%, (c) Sodium caseinate in the range of 0.8-1.0%, (d) Trisodium phosphate (TSP) in the range of 0.1-0.15%, (e) Gelatin in the range of 0.075-0.10%, (f) Carboxy methyl cellulose (CMC) in the range of 0.1-0.15%, (g) Glycerol monostearate (GMS) in the range of 0.80-0.10%, (h) Sodium citrate in the range of 0.1-0.2%, (i) Starch in the range of 2.0-3.0% followed by homogenising again in the pressure range of 2500-5000 psi, and spray drying to get stable whole coconut milk.

(Complete Specification 8 pages,

Ind. Class : 60X<sub>2(d)</sub>

184682

Int. Class. : C07C 49/293.

## AN IMPROVED PROCESS FOR THE PREPARATION OF ARTEMISININ.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi, Marg, New Delhi-110001 India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

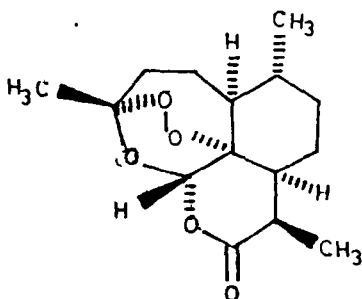
Inventors : ASISH KUMAR BHATTACHARYA, MOHAMMED SHAFIQUE SIDDIQUE, RAJENDRA SINGH BHAKUNI, DHARAM CHAND JAIN & RAM PRAKASH SHARMA (INDIAN).

Application for Patent No 2458/DEL/95 filed on 29-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

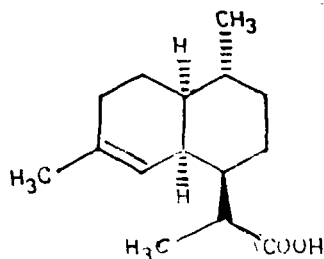
## 4 Claims

An improved process for the preparation of artemisinin of the formula (3)



( III )

Comp. Specification from dihydroartemisinic acid of the formula (2)



( II )

which comprises dissolving dihydroartemisinic acid in a mixture of polar organic solvents in the ratio in the range of 1:4 to 1:10w:w, at a temperature in the range of 20–40°C for a period of 4–12 days and irradiating the resultant mixture with fluorescent tubelight (40 watts) for a period of 1–4 hours, per day and recovering the artemisinin by known crystallisation methods.

(Complete Specification 11 page :

Drawing 1 sheet.)

Ind. Cl. : 136 I

184683

Int. Cl. : A 23 P 1/12.

## A PROCESS FOR THE PREPARATION OF CONDITIONED DRY EXTRUDED FOOD PRODUCTS.

Applicant : THE CHIEF CONTROLLER, AN INDIAN NATIONAL OF TECHNICAL COORDINATION DTE. DEFENCE, RESEARCH & DEV. ORGN., GOVERNMENT OF INDIA, MINISTRY OF DEFENCE, B-341, SENA BHAWAN, DHQ P.O., NEW DELHI-11.

Inventor(s) : DESIRAJU VIJAYA RAO-INDIAN, KOLPE RADHAKRISHNA-INDIAN, KIZHEKKEDATH JAYATHILAKAN-INDIAN AND KODARI RAMA RAO GOPAL RAO-INDIAN.

Application for Patent No. 69/Del/96 filed on 11th Jan. 1996.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 4 Claims

A process for the preparation of conditioned dry extruded food products comprising of the steps:

- (a) preparing dry extruded food product such as vermicelly/macaroni,
- (b) dry roasting of extruded food product in hot air or roasting pan at a temperature of 110 to 150°C under continuous agitation till it attains light brown colour characterised in,
  - (i) immersing the roasted material in boiling water for softening for a period of 10-20 minutes,
  - (ii) treating with cold water and adding edible vegetable oil thereto, followed by stirring and then draining out water,
  - (iii) spreading the drained material and drying in circulating hot air drier to a moisture content of about 5%.

Compl. Specn. 7 pages.

Drg. Sheet Nil.

Ind. Cl. : 55 E, 32 F<sub>3</sub>

184684

Int. Cl. : C07J 9/00

## A PROCESS FOR THE PREPARATION OF (2B, 3S, 22E, 24S)-24-ethyl-2, 3-dihydroxy-5α-cholestan-22-one-6-one.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001-INDIA.

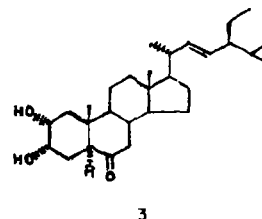
Inventor(s) : BRAJA GOPAL HAZRA-INDIA PADMAKER LAXMAN JOSHI-INDIA TIRUNAHARI PAVAN KUMAR-INDIA.

Application for Patent No. 0164/Del/96 filed on dt. 25-1-96.

Appropriate Office for Opposition Proceedings Rule 4, (Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

## 3 Claims

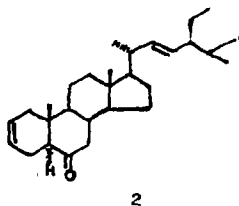
An improved process for the preparation of (2R,3S, 22E, 24S)-24-ethyl-2, 3-dihydroxy-5α-cholestan-22-one-6-one, having formula 3.



3

which Comprises

dihydroxylating (22E, 24S)-24-ethyl-5α-cholestan-2, 22-diene-6-one, having the formula 2



using tetradecyltrimethyl ammonium permanganate (TDTAP) in the presence of a mixture of chlorinated solvent and tert-butanol at the temperature in the range of -5 to 30°C, for a period in the range of one to two hours and separating (2R, 3S, 22E, 24S)-24-ethyl-2, 3-dihydroxy-5a-cholestan-22-one-6-one, of the formula 3 from the reaction mixture by known column chromatography method.

(Compl. Specn pages 8

Drg. Sheet 1.)

Ind. Cl. : 32 F (2 b).

184685

Int. Cl.<sup>4</sup> : C 07 G, 3/00.

#### A NOVEL PROCESS FOR ISOLATION OF BERBERINE FROM BERBERINE CONTAINING PLANT MATERIAL."

Applicant : NATIONAL INSTITUTE OF IMMUNOLOGY, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI 1860), ARUNA ASAF ALI MARG, NEW DELHI-110067, INDIAN.

Inventor(s) : SHAKTIN. UPADHYAY-INDIAN, D. N. K. SHARMA-INDIAN, NALINI WALI-INDIAN, N. K. SARASWATHI-INDIAN, SUMAN DHAWAN-INDIAN AND RAMAN PRASAD YADAV-INDIAN.

Application for Patent No. 294/Del/96 filed on 14-2-96.

Complete left after Provisional Specification filed on 14-5-1997.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 8 Claims

A process for isolation berberine from berberine containing plant material, said process comprising :

- (a) obtaining a filtrate of the plant material by soaking the plant material in a solvent of the kind such as herein before described;
- (b) Extracting the filtrate or its dried form with dichloromethane;
- (c) Separating the organic solvent phase which was dried to obtain a residue;
- (d) Washing the residue with diethylether for a minimum of 30 minutes to obtain berberine.

Provn. Specn. 9 pages

Drg. Sheet—Nil.

(Compl. Specn. 25 pages

Drgs. Sheets 10.)

Ind. Cl. : 32 F<sub>3</sub> d, 55F/23

184686

Int. Cl.<sup>4</sup> : C 07 J, 9/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF (2R, 3S, 24S)-2, 3-diacetoxy-22,23-epoxy-24-ethyl-B-homo-7-oxa-5a-cholestan-6-one.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF

SOCIETIES ACT (ACT XXI OF 1860).

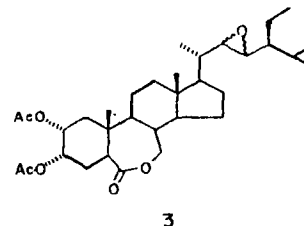
Inventor(s) : BRAJA GOPAL HAZRA-INDIA, PADMAKAR LAXMAN JOSHI-INDIA, TIRUNAHARI PAVAN KUMAR-INDIA.

Application for Patent No. 383/Del/96 filed on 23-2-96.

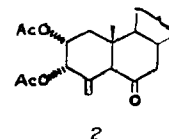
Appropriate Office for Opposition Proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 4 Claims

An improved process for the preparation of (2R, 3S, 24S)-2, 3-diacetoxy-22, 23-epoxy-24-ethyl-B-homo-7-oxa-5a-cholestan-6-one, having formula 3



in the drawing accompanying this specification which comprises oxidising (2R, 3S, 22E, 24S)-24-ethyl-2, 3-diacetoxy-5a-cholestan-22 one-6-one, the compound of the formula 2



with trifluoroacetic acid in the presence of a phosphate buffer and an organic solvent at a temperature in the range of 0 to 30°C. and separating the compound of the formula 3 formed from thereaction mixture by column chromatography.

(Compl. Specn. 8 pages.

Drg Sheet 1.)

Ind. Cl. : 32 C

184687

Int. Cl.<sup>4</sup> : C07 C,15/113

AN IMPROVED PROCESS FOR THE PREPARATION OF 1, 2-BIS (3-METHOXY CARBONYL-2-THIOUREIDO)BENZENE COMMONLY KNOWN AS THIOPHANATE METHYL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) : UDAY TRIAMBAKRAJ BHALERAO-INDIA, AKASH N PATWARI-INDIA, BOMMENA VITTAL RAO-INDIA, KALIKI BHARAMARAMBA-INDIA, ATMAKURI KRISHNAIAH-INDIA, SANGEM RAJARAM-INDIA, PENMATCHA V KRISHNAM RAJU-INDIA.

Application for Patent No. 388/Del/96 filed on 23-2-96.

Appropriate Office for Opposition Proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 9 Claims

An improved process for preparation of 1, 2-bis (3-methoxy carbonyl-2-thioureido) benzene commonly known as Thiophanatemethyl which comprises reacting orthophenylenediamine dissolved in organic solvent with methoxycarbonylthiocyanate generated insitu by the reaction of alkali thiocyanate with methylchloro formate catalyzed by tertiary amine in an aqueous medium, at a temperature in the range of 0-100°C and recovering the thiophanatemethyl by conventional filtration methods.

(Compl. Specn 8 pages.

Drg Sheet Nil.)

Ind. Cl. : 55 E

184688

Int. Cl.<sup>4</sup> : C 07 C-69/12

# AN IMPROVED PROCESS FOR THE PRODUCTION OF PSEUDOSAPOGENIN DIACETATE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

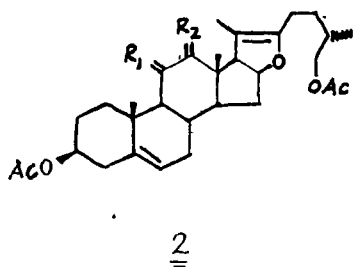
Inventor(s) : PRITISH KUMAR CHOUDHURY-INDIA, HEREMBA PRASAD SARMAH-INDIA, PRADIP KUMAR GOSWAMI-INDIA, MANOJYOTI BARDOLOI-INDIA NABIN CHANDRA BARUAH-INDIA, RAM PRAKASH SHARMA-INDIA, ANIL CHANDRA GHOSH-INDIA.

Application for Patent No.507/Del/96 filed on 11-3-96.

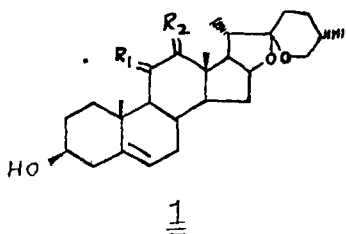
Appropriate Office for Opposition Proceeding Rule 4, (Patent Rules 1972) Patent Office Branch, New Delhi-5.

## 4 Claims

An improved process for the production of pseudosapogenin diacetate of the formula 2 where  $R_1=R_2=H_2$  or  $R_1=H_2$ ,  $R_2=O$  or  $R_1=O$ ,  $R_2=H_2$ .



Which comprises: (a) acetylsing of sapogenin of the formula 1 where  $R_1=R_2=H_2$  or  $R_1=H_2$ ,  $R_2=O$  or  $R_1=O$ ,  $R_2=H_2$  by heating in a pressure reactor in the presence of conventional acetylating agent and a non-polar solvent, maintaining the pressure in the reactor in the range of 4-7 kg/cm<sup>2</sup> and at a temperature in the range of 180-250°C to produce pseudosapogenin diacetate of the formula 2  $R_1=R_2=H_2$  or  $R_1=H_2$ ,  $R_2=O$  or  $R_1=O$ ,  $R_2=H_2$ .



(b) Separating the pseudosapogenin diacetate by conventional chromatographic methods.

(Compl. Specn. 14 pages.

Drg. Sheet 1.)

Ind. Cl. : 60 x<sub>2</sub>d

184689

Int. Cl.<sup>4</sup> : C 11 B-9/02

# "A PROCESS FOR PRODUCTION OF TAXOL FROM ANALOGUE OF TAXOL-7-XYLOSYL-10-DEACETYL TAXOL."

Applicant : Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001 (INDIA).

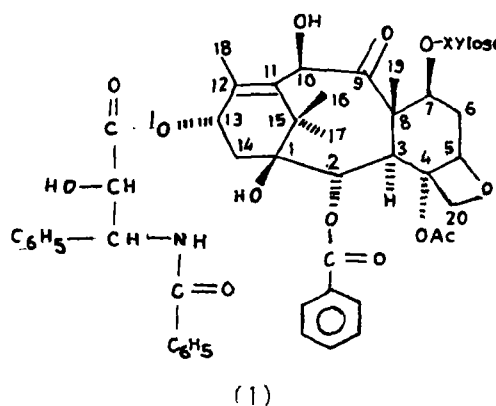
Inventor(s) : SUNIL KUMAR CHATTOPADHYAY-INDIA, RAM PRAKASH SHARMA-INDIA, SUSHIL KUMAR-INDIA, KUNNATH PADMANABHAN MADHUSUDANAN-INDIA.

Application for Patent No. 509/DEL/96 filed on 11.03.96.

Appropriate Office for Opposition Proceedings Rule 4, (Patent Rule 1972) Patent Office Branch, New Delhi-110 005.

## Claims 11

A process for the production of taxol from analogue of taxol-7-xylosyl-10-deacetyl taxol which comprises dissolving taxolanalogue 7-xylosyl-10-deacetyl taxol of the formula 1.



of the drawing accompanying the specification obtained from the stem bark of *T. wallichiana* in a conventional organic polar solvent and reacting with aqueous solution of alkali metal periodates at room temperature to give a solid residue, dissolving the residue in a known organic polar solvent and reacting with conventional alkali metal borohydrides at ambient temperature, (3) treating the resultant product with organic chlorinated solvents and inorganic mineral acids to give a solid residue, (4) treating the residue with haloalkyl silane in the presence of a conventional base for 20-30 hours, (5) reacting the above reaction mixture in situ with conventional acylating agents for 12-18 hours to give a residue (6) dissolving the residue in an acidic polar solvent to give a solid and isolating taxol from the said solid by column chromatography.

(Complete Specification Pages 11,

Drawing Sheet 1.)

Ind. Cl. : 60 X. 2 a.

184690

Int. Cl.<sup>4</sup> : C 07 D-501/06.

# "PROCESS FOR THE PREPARATION OF CEPHALOSPORIN ANTIBIOTICS."

Applicant : RANBAXY LABORATORIES LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 OF NEHRU PLACE, NEW DELHI-110019, INDIA.

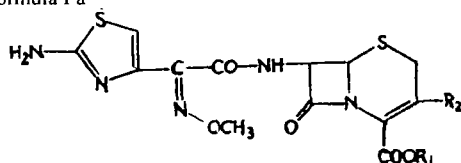
Inventor(s) : AG MOHAN KHANNA-INDIA, VIJAYA KUMAR HANDA-INDIA, RAMESH DANDALA-INDIA AND RAM CHANDER ARYAN-INDIA.

Application for Patent No. 560/DEL/96 filed on 18th March, 1996.

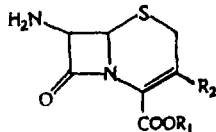
Appropriate Office for Opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 7 Claims

A process for the preparation of Cephalosporin antibiotics having the general formula I a

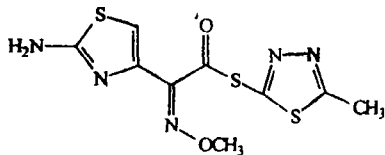


wherein  $R_1$  is hydrogen, alkali metal salt or pivaloyloxymethyl and  $R_2$  is acetoxymethyl, methyl or (2, 5-dihydro-6-hydroxy-2-methyl-5-oxo-1, 2, 4-triazin-3-yl)-thiomethyl which process comprises acylating a compound of the formula III



Formula III

such  $R_1$  and  $R_2$  are as defined above with a compound of the formula II.



Formula II

Complete Specification 6 Pages

Drawing Sheet-1.)

Ind. Cl : 172 C<sub>2</sub>

184691

Int. Cl.<sup>4</sup>: D 01G 19/00.

"A TOP COMB DRIVING MECHANISM FOR A COMBING MACHINE".

Applicant : HOWA MACHINERY LTD., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF JAPAN OF 32-3, MEIEKI 2-CHOME, NAKAMURA-KU, NAGOYA-SHI, AICHI, JAPAN.

Inventor(s) : KATSUTOSHI KISHI-JAPAN, SHIGEYUKI TACHI-JAPAN, KAZUHIRO INAGAKI-JAPAN, YOSHINORI SARUWATARI-JAPAN.

Application for Patent No. 816/Del/93 filed on 6/3.08.93.

Divisional out of Patent Application No. 620/Del/89 filed on 11/07/89.

Ante dated to 11 07.89.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

## 5 Claims

A top comb driving mechanism for a conventional combing machine provided with at least one combing head arranged along the lengthwise direction of said combing machine, wherein a common cylinder (27) shaft extends along the lengthwise direction of said combing machine related to said combing heads, a common (1) nipper shaft extends along said cylinder (27) shaft for operating said combing machine, said combing head is provided with a nipper (3) body being capable of carrying out forward and rearward reciprocal displacing motion thereof and a pair of top comb holding (21) arms swingably mounted on said nipper (3) body of each one of said combing heads, characterized by :

a drive shaft (122) disposed in said combing machine in parallel to said cylinder shaft to rotate synchronously to said cylinder (27) shaft, a horizontal (21A) shaft pivotally connected to free and portions of said pair of top comb holding (21) arms of said combing heads, a pair of (123) connecting rods whereby one free and portion of each of said connecting rods

is eccentrically pivoted to respective free and portions of said drive (122) shaft by a pair of eccentric joint mechanism at gear end and out-end sides of said combing machine in eccentrically adjustable condition, while the other free end portions of said connecting (123) rods are both connected in turnable condition to said horizontal shaft. (21A)

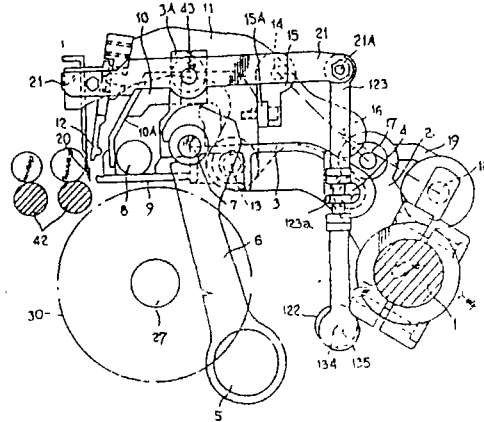


FIG. 1

(Complete Specification 22 Pages

Drawing Sheets 4.)

Ind. Cl. : -55D2

184692

Int. Cl.<sup>4</sup>: -55D-3/00

A PROCEEDS FOR THE PREPARATION OF FUMING, HOT VAPORIZING INSECTICIDE COMPOSITION FOR KILLING FLIES.

Applicant : DAINIHON JOCHUGIKU CO. LTD. A JAPANESE COMPANY, OF 1-4-11, TOSABORI, NISI-KU-OSAKA-SHI, OSAKA-FU, JAPAN.

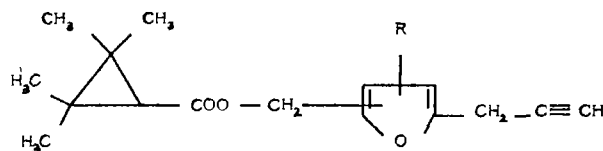
Inventor : YOSHIO KATSUDA.

Application for Patent No. 1103/Del/94 filed on 31st August, 1994.

Appropriate Office for filing Opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## Claims

A process for the preparation of fuming hot-vaporizing insecticide composition for use in a liquid, a mat or coil said process comprising mixing in any conventional manner an active ingredient comprising propargyl furylmethyl 2,2,3,3-tetramethylcyclopropanecarboxylate of the general formula 1 :



wherein R is hydrogen or methyl; and

a synergist for said active ingredient, selected from 0.5 to 10 times the content of the active ingredient of a conventional pyrethroids or one or more synergists for conventional pyrethroids or esters of higher fatty acid of the kind such as herein before described : or 0.1 to 3 times the content of the active ingredient of one or more phenol stabilizers having at least two tertiary butyl groups or hydroquinone stabilisers having at least two tertiary butyl groups : and optionally a solvent of the kind such as hereinbefore described and the balance, if any, one or more conventional adjuvants of the kind such as hereinbefore described wherein said active ingredient comprises up to 9% by weight of total composition when used with said pyrethroid and up to 25% by weight of total composition when used with said phenol stabilizer.

(Complete Specification 41 Pages

Drawing —Sheets.)

Ind. Class : 32C

184693

Int. Cl.<sup>4</sup> : CO7D 205/08.**A PROCESS FOR THE PREPARATION OF CEPHALOSPORIN ACYLASE**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : VIJAY CHINTAMAN SONAWANE & RAKESH MULRAJ VOHRA.

Application for Patent No. 499/Del/95 filed on 21-3-95. Complete left after Provisional Specification filed on 20-6-96.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**7 Claims**

A process for the preparation of cephalosporin acylase which comprises aerobically cultivating *Bacillus* species at a temperature in the range of 18 to 40°C at a pH in the range of 5.5 to 9.0 in a nutrient medium comprising conventional sources of carbon, nitrogen, phosphate and carbohydrates in a known manner, centrifuging the resultant fermentation broth to separate biomass subjecting the separated biomass to sonication & grinding to separate the cephalosporin acylase from the biomass the same & purifying the same by conventional chromatographic methods such as herein described.

(Provisional Specification 8 pages).

(Complete specification 11 pages).

Ind. Cl. : 32F<sub>2(b)</sub>

184694

Int. Cl.<sup>4</sup> : C07D, 307/06.**A PROCESS FOR THE PREPARATION OF CHAETOMELLIC ACID ANHYDRIDE.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

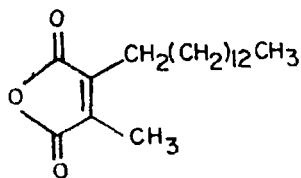
Inventors : ARCADE NARSHINHA PANDITRAO & NAIK RAJAN HIRALAL (INDIA).

Application for Patent No. 1219/Del/95 filed on 30-6-95.

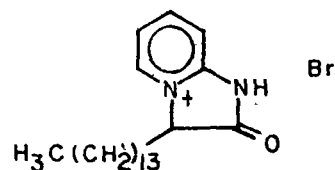
Appropriate Office for Opposition Proceedings (Rule 4 Patents, Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

**6 Claims**

A process for the preparation of Chaetomellic acid anhydride of the formula (II).

**II**

this specification, which comprises refluxing the mixture of 3-tetradecyl-2-oxo-3h imidazopyridinium bromide having formula (III), maleic anhydride in equimolar amount and an alkali salt in mild lower aliphatic organic acid for a period ranging from 4 to 6 hours at a temperature ranging between 115°C to 155°C, concentrating the reaction mixture at reduced pressure, dissolving the resultant residue in an aprotic organic solvent and

**III**

washing several times, first by water and then by brine to remove solvent, chromatographically eluting and separating the chaetomellic acid anhydride using a mixture of petroleum ether and diethyl ether (90 : 10). (Complete specification 9 pages Drawing 1 sheet).

Ind. Cl. : 21F

184695

Int. Cl.<sup>4</sup> : C 07 D<sup>2(GP)</sup> 487100.**AN IMPROVED PROCESS FOR THE PRODUCTION OF 6-BROMO-2-HYDROXYQUINOXALINE.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETY ACT (ACT XX 1860).

Inventors :

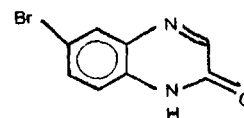
RAMESH CHANDRA RASTOGI (INDIA)  
RAHAT HUSSAIN KHAN (INDIA)  
KUMAR RANJAN BARUAH (INDIA)  
PRABIN BARUAH (INDIA)  
ANIL CHANDRA GHOSH (INDIA)

Application for Patent No. 1355/Del/95 filed on 20-7-95.

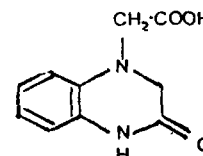
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

**4 Claims**

An improved process for the preparation of 6-bromo-2-hydroxyquinoxaline of the formula D

**D**

which comprises dissolving 1, 2, 3, 4-tetrahydro-2-ketoquinoxaline-4-N-acetic acid of the formula C



in a polar solvent such as pyridine and reacting the resulting solution with an oxidizing agent such as N-bromosuccinimide, stirring the mixture, pouring it in to water, filtering the solid and crystallizing it using conventional polar solvents.

(Complete Specification 10 Pages

Drawing sheet 1).



Ind. Cl. : 55E<sub>4</sub>

184696

Int. Cl.<sup>4</sup> : C07C 47/00.

# AN IMPROVED PROCESS FOR THE PREPARATION OF SYRINGALDEHYDE (3, 5-DIMETHOXY-4-HYDROXY BENZALDEHYDE)

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES OF ACT (ACT XXI OF 1860)

Inventors : SUBHASH CHANDRA TANEJA, ANIL KUMAR TRIPATHI, KANAYALAL DHAR & RANDHIR SINGH KAPIL.

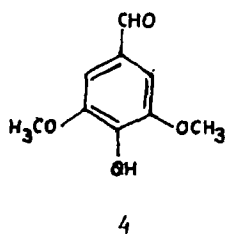
Application for Patent No. 1461/Del/95 filed on 4-8-95.

Complete left after Provisional Specification filed on 3-10-96

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

9 Claims

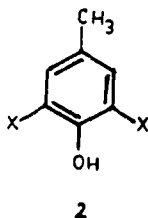
An improved process for the preparation of syringaldehyde (3, 5-dimethoxy-4-hydroxy benzaldehyde) of the Formula 4



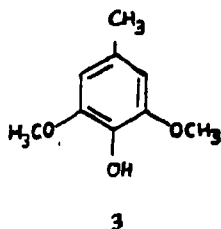
which comprises (a) halogenating by known methods p-cresol of the formula 1



to provide 2, 6-dihalogenated-4-methylphenol of the formula 2



(b) methoxylating the compound of the formula 2 by conventional methods to give 2,6-dimethoxy-4-methylphenol of the formula 3



(c) Oxidising the compound of the formula 3 by conventional catalytic method to furnish 3, 5-dimethoxy-4-hydroxybenzaldehyde of the formula 4 (d) if desired purifying the crude syringaldehyde by conventional methods

(Provisional specification, 6 pages).

(Complete specification 15 pages

Drawing 1 sheet).

Ind. Cl. 83A<sub>4</sub>.

184697

Int. Cl.<sup>4</sup> C1 2N 9/20.

## A PROCESS FOR THE ISOLATION OF A NOVEL YEAST LIPASE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : GULAM NABI QAZI, RAJINDER PARSHAD, RAVI JI KOTRU, SURINDER KOUL, SUBHASH CHANDRA TANEJA AND KANAYA LAL DHAR.

Application for Patent No. 1790/Del/95 filed on 29-9-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A process for the isolation of a novel yeast lipase which comprises growing *Trichosporon* under submerged culture conditions using conventional nutrient medium containing a carbon source, a nitrogen source triglycerides vitamins and other trace requirements and optionally indicator and agar while aerating at a pH in the range of 4 to 7 at a temperature in the range of 200 to 300° C for a period in the range of 12 to 24 hrs, separating a homogenising the resultant residue containing yeast by conventional methods and isolating the lipase by known methods.

(Complete specification 19 pages).

Int. Cl. : 83B<sub>3</sub>, 83B<sub>4</sub>.

184698

Int. Cl.<sup>4</sup> : A 23L 1/00

## A PROCESS FOR PREPARATION OF INSTANT COOKING PULSES FLAKES.

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, TECH. COORDN. DTE., B-341, SENA BHAWAN, DHQ P.O. NEW DELHI-110 001, INDIA.

Inventor(s) : DR. SADA SINGH ARYA-INDIAN, PRAKASH EKNATH RAO PATKI-INDIAN.

Application for Patent No. 2352/Del/95 filed on 19-12-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the preparation of instant cooking pulses flakes comprising :—

- (a) soaking the pulses in water so as to gain a moisture content of 55-65% by weight of the dal,
- (b) characterised in that cooking the soaked pulse for 15 to 20 minutes at a pressure of 15 PSI in a thin layer of 1.5 to 5 cm in an autoclave so as to avoid deshaping thereof,
- (c) subjecting said cooked pulses to the step of conditioning by heating the same in a hot air dryer to reduce the moisture content between 20-40%,
- (d) passing the conditioned pulses through the rollers maintaining a distance between 0.3 to 2.5 mm to form dal flakes followed by the step of drying at a temperature of 50 to 100°C,

- (e) subjecting said flakes to the step of impregnation with salt, and spices.

(Complete Specification 8 Pages

Drawing Sheet Nil)

Ind. Cl. : 32 F<sub>2</sub> (d) 32 C.

184699

Int. Cl.<sup>4</sup> : C 12 N 11/00

AN IMPROVED PROCESS FOR THE PREPARATION OF IMMOBILIZED ENZYMES USEFUL FOR MAKING DRUG INTERMEDIATES, FLAVOURING AGENTS AND FOOD ADDITIVES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors : UDAY TRIAMBAK BHALERAO, NITIN WASANTRAO FADNAVIS AND KINNERA KOTESHWAR (INDIAN).

Application : FOR PATENT NO. 2369/Del/95 filed ON 21-12-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) patent office Branch, New Delhi-110005.

#### 5 Claims

An improved process for the preparation of immobilized enzymes useful for making drug intermediates, flavouring agents and food additives which comprises solubilizing gelatin optionally alongwith water, in a solution of a surfactant in an organic solvent, heating at a temperature in the range of 40 to 50°C for a period in the range of 10 to 20 min under constant stirring to obtain a viscous solution, cooling to a temperature below 5°C to obtain a non-viscous, free flowing solution, adding under constant stirring an aqueous solution containing the enzyme to be immobilized, adding glutaraldehyde solution in water under stirring to obtain a gel and washing with an organic solvent to obtain an insoluble immobilized matrix.

(Complete Specification 12 Pages

Drawing Sheet Nil)

Ind. Cl. : 140B<sub>1</sub>

184700

Int. Cl. : C 11B 1/4

AN IMPROVED PROCESS FOR THE PURIFICATION OF CRUDE RICEBRAN OIL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : THENGUMPILLIL NARAYANA BALAGOPALA KAIMAL, PENUMARTHY VIJYALAKSHMI, BHAMIDIPATI VENKATA SURYAKOPPEWARA RAO, TURAGA CHANDRASEKHARA RAO, SHAIK RAMZAN VALI AND UDAY TRIAMBAK BHALERAO (INDIAN)

Application for Patent No. 2445/Del/95 filed on 29-12-95. Complete left after Provisional Specification filed on 17-3-97.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New delhi-110005.

#### 3 Claims

An improved process for the purification of crude ricebran oil which comprises : reacting crude ricebran oil and lipase G enzyme in water at a temperature in the range of 10-50°C for a period in the range of 30 Min. to 24 hr. recovering the oil by conventional methods.

(Provisional specification 4 pages).

(Complete Specification 13 pages).

Ind. Cl. : 157 D 5

184701

Int. Cl.<sup>4</sup> : E 01 B 5/08

"A RAIL FOR USE IN A RAILWAY".

Applicant : BRITISH STEEL LIMITED, OF 9 ALBERT EMBANKMENT, LONDON SE1 7SN, ENGLAND, A BRITISH COMPANY.

Inventors :

1. VIJAY JERATH.
2. DAVID JAMES PRICE.
3. IAN WILLIAM MARTIN.

Application No. : 541/Mas/94 filed on 23rd June 1994.

Convention No. : 9313060.7 on 24-06-93 in Great Britain.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 7 Claims

A rail for use in a railway having, in section, a head and a foot, wherein the head comprises a traffic carrying surface composed of martensite of up to 0.4% by weight carbon and up to 1% by weight chromium.

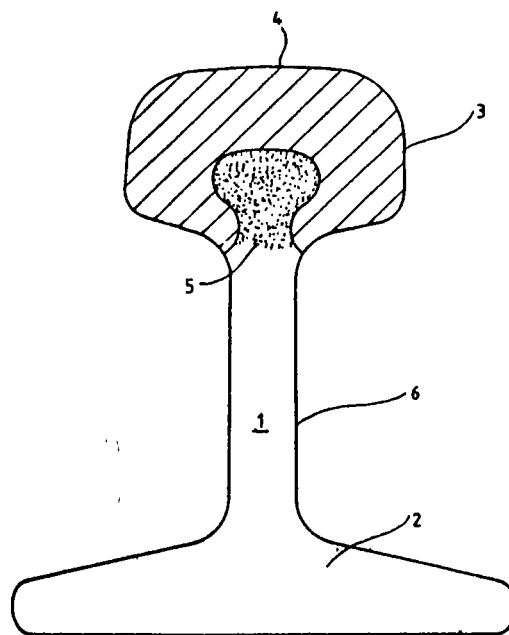


FIG.1.

(Comp. Specn. : 15 pages;

Drgs : 8 Sheets)

Ind. Cl. : 172 B

184702

Int. Cl.<sup>4</sup> : B 65 H 54/78

"AN APPARATUS FOR DEPOSITING A SLIVER DELIVERED BY A TEXTILE MACHINE".

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU, AKTIENGESELLSCHAFT, FRIEDRICH-EBERT-STRASSE 84, 85046 INGOLSTADT, GERMANY, A GERMAN COMPANY.

Inventors :

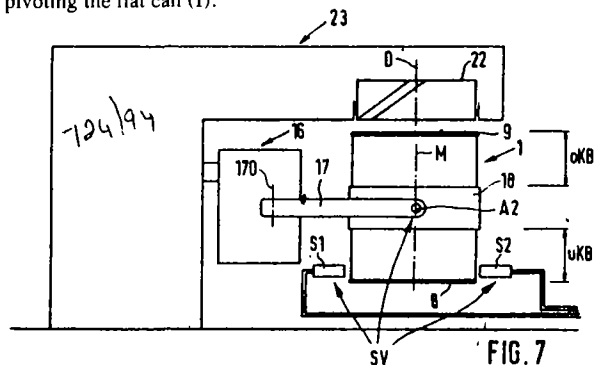
1. IPPY, JOSEF
2. KOVACS, OTMAR
3. UEDING, MICHAEL
4. KRIEGLER, ALBERT.

Application No. : 724/MAS/94 filed on 2nd August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 39 Claims

An apparatus for depositing sliver delivered by a textile machine into a flat can (1) comprising a reciprocating apparatus (16) for reciprocating the flat can (1) during filling, support means (17, 18) provided on the reciprocating apparatus (16) for supporting the flat can (1), the said reciprocating apparatus (16) comprising a pivoting apparatus (SV) for pivoting the flat can (1).



(Comp. Specn. 44 pages;

Drgs. 9 sheets).

Ind. Cl. : 49 G

184703

Int. Cl.<sup>4</sup> : A47 J-37/06

### "A PORTABLE AND NESTABLE GRILL"

Applicant : PORCELAIN METALS CORPORATION, OF 1400 SOUTH THIRTEENTH ST. P. O. BOX 3646, LOUISVILLE, KY 40201, USA; A US CORPORATION.

Inventors :

1. ERNEST R GILLAM
2. ALLAN LERCH
3. RICHARD H BIRD
4. CALVIN F SPRINKLE

Application No. : 773/MAS/94 filed on 16th August 1994.

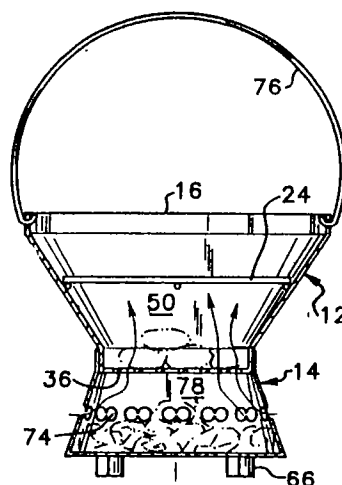
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 17 Claims

A portable and nestable grill comprising an upper grilling section comprising a generally conical shaped upper housing defining a first heating chamber, said upper housing having an open top end and at least a partially open bottom end of reduced diameter, said upper housing having an upper conical section and a first cylindrical top rim extending around the top of said upper conical section joining the upper edge of said upper conical section and a second cylindrical bottom rim extending around the bottom of said upper conical section joining the lower edge of said upper conical section; means of supporting food articles within said first rim; a lower charcoal starter/ash catcher base defining a lower housing forming a second heat generation chamber, said lower housing comprising a lower conical section having an open top end of reduced diameter and a closed bottom end, said lower housing having a third cylindrical top rim extending around the top of said lower conical section joining the upper edge of said lower conical section, said lower housing having a floor panel joining the bottom edge of said lower conical section forming an ash catcher, said lower housing having a plurality of apertures formed through the wall of said lower conical section creating draft openings and providing an access means for lighting the pre-ignition materials, said lower housing being smaller in size than said upper housing, said lower housing being inverted and nested inside of

said upper housing during storage and transportation; means for supporting said base section; said second bottom rim of said upper housing being complementary sized and shaped for removably engaging said first top rim of said lower housing forming a reduced diameter central cylindrical waist section therein between; and means of supporting solid fuel material within said reduced diameter central cylindrical waist section.

Agents : M/s. De Penning & De Penning



(Com. Specn. : 24 Pages;

Drawings: 04 Sheets)

Ind. Cl. : 15 D, 127 D

184704

Int. Cl.<sup>4</sup> : F 16 C-35/06

### "A POWER TAKE-OFF UNIT FOR PROVIDING A ROTATABLE DRIVING CONNECTION BETWEEN A VEHICLE ENGINE AND A DRIVEN ACCESSORY"

Applicant : DANA CORPORATION, 4500 DORR STREET, TOLEDO, OHIO 43615 U.S.A. A US COMPANY.

Inventors :

1. RICHARD L. DAFFORN
2. WN. DAVID ADAMS

Application No. : 776/MAS/94 filed on 16 August 1994

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 11 Claims

A power take-off unit for providing a rotatable driving connection between a vehicle engine and a driven accessory; comprising :

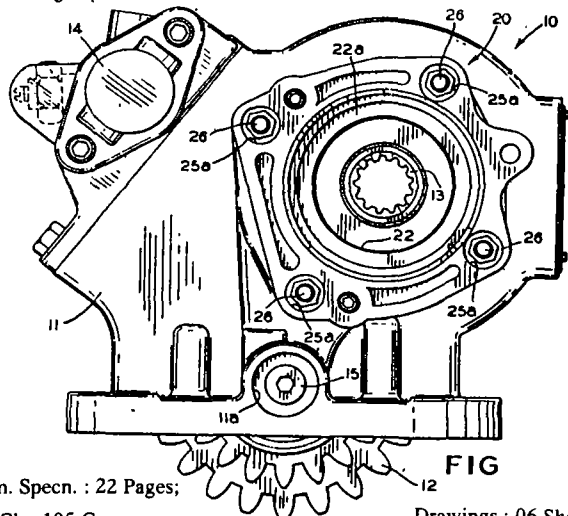
a housing having an aperture therethrough;

a bearing cap mounted within said aperture in said housing, said bearing cap comprises a body having a central opening therethrough which is co-axially aligned with a first axis, and a first plurality of apertures therethrough which are spaced substantially equidistantly from said first axis;

an output shaft having a first end portion rotatably supported within said bearing cap, said output shaft being co-axially aligned with said first axis;

a mounting flange adapter secured to said bearing cap, said mounting flange adapter having a body with a central opening therethrough which is co-axially aligned with the central opening in said bearing cap and a first plurality of apertures therethrough which are spaced substantially equidistantly from said first axis, said first apertures in said mounting flange adapter being radially positioned such that at least three of such apertures

are-simultaneously aligned with an associated one of said first apertures in said bearing cap.



(Com. Specn. : 22 Pages;

Ind. Cl. : 105 C

Int. Cl<sup>4</sup> : G 01 L 1/00

Drawings : 06 Sheets)

184705

### "IMPROVED UNIVERSAL TESTING MACHINE".

Applicant : INDIAN SPACE RESEARCH ORGANISATION, A GOVERNMENT OF INDIA BODY, DEPARTMENT OF SPACE, ANTHARIKSH BHAVAN, NEW BEL ROAD, BANGALORE 560094, INDIA.

Inventors :

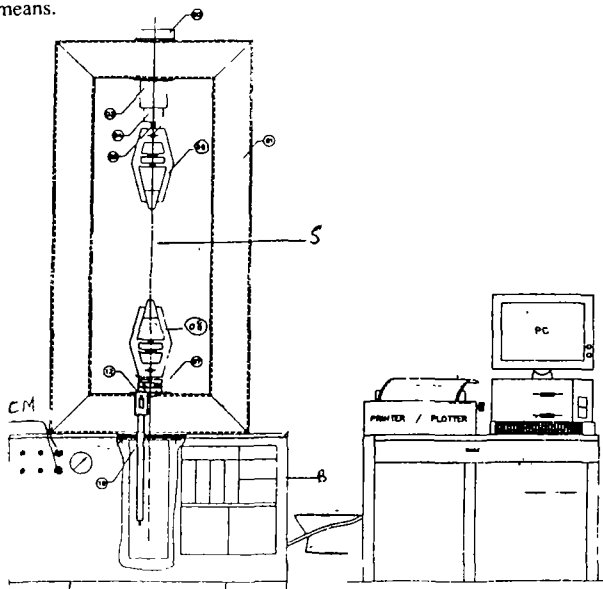
1. RAJKUMAR SAMUEL
2. KUTTYKRISHNA MENON HARIDAS,
3. MADABUSI VIJAYARAGHAVAN KANNAN,
4. PARAMESHWARAN SIVASANKARAN NAIR
5. ANANTHA VISWANATH PATKI.

Application No. : 778/MAS/94 filed on 16th August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

An improved universal testing machine comprising a base member and a frame member, oppositely disposed upper and lower gripping means within the said frame member, the said upper gripping means being provided with a load cell with digital display and output facility, the lower gripping means being connected to a moving means and a displacement distance measuring means.



(Comp. Specn. 10 pages;

Drgs. one sheet).

Ind. Class : 172 D 8, F

184706

Int. Cl<sup>4</sup> : D 01 H-7/00 D 01 D-13/00, 5/22

### "FALSE TWIST CRIMPING MACHINE"

Applicant : BARMAG AG; A GERMAN COMPANY OF LEVERKUSER STRASSE 65, 42897 REMSCHEID, GERMANY

Inventors :

1. HEINZ SCHIPPERS
2. PETER DAMMANN
3. DR. KARL BAUER
4. MICHAEL HANISCH

Application No. : 782/MAS/94 filed on 17th August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

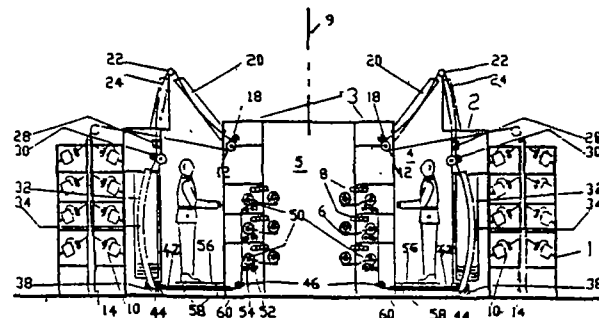
20 Claims

A false twist crimping machine for false twist crimping a plurality of thermoplastic yarns, each in one processing station, which comprises a fed yarn package (10), a first feed system (18), an elongate first heater (20), an elongate cooling plate (24), a false twist unit (28), a second feed system (30), as well as a takeup device (7), the false twist machine being composed of several frame parts, and a creel frame (1) being associated with the false twist machine, characterised in that the frame parts comprise a processing frame (2) provided in the direct vicinity of creel (1) and a takeup frame (3) facing away from the creel; that between the processing frame (2) and the takeup frame (3), an operator aisle (4) is located;

that the first feed system (18) and the first heater (20) are supported on the takeup frame (3);

that the cooling plate (24), the false twist unit (28), and the second feed system (30) are supported on the processing frame (2); and that the takeup devices (7) for a plurality of processing stations are arranged in columns on top of one another and can be serviced both from operator aisle (4) and from the side facing away therefrom (service aisle 5).

Agents : M/s. De Penning & De Penning



(Com. Specn. : 29 Pages;

Drawings : 09 Sheets)

Ind. Cl. : 158 D, A

184707

Int. Cl<sup>4</sup> : B 61 D 3/18, B 61 F 3/12

### "A RAILWAY CAR"

Applicant : ERNEST J LARSON JR., OF 7408 WEST SHORE DRIVE, EDINA, MINNESOTA 55435, U S A A U S CITIZEN.

Inventors :

1. ERNEST J LARSON JR
2. ROGER D SIMS.

Application No. : 832/MAS/94 filed on 30th August 1994.

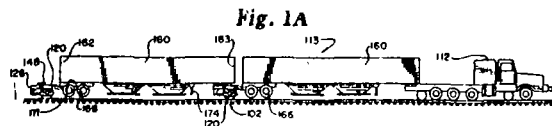
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 15 Claims

A railway car comprising a bogie for coupling a first and a second convertible roadway-railway trailer and for supporting the trailers for transportation over a railway, said bogie comprising a frame having a forward end and a rearward end; a single axle railway wheel assembly mounted on the frame for supporting the frame for motion on the railway; a bogie rigid coupling mechanism located on the forward end of the frame constructed and arranged for releasably and rigidly coupling the bogie to a first trailer, such that when the bogie is rigidly coupled to a first trailer, the bogie is in a fixed position relative to the first trailer for supporting the first trailer; and a bogie pivot coupling mechanism located on the rearward end of the frame constructed and arranged for releasably and pivotally coupling the bogie to a second trailer, such that when the bogie is pivotally coupled to a second trailer, the bogie can pivot relative to the second trailer for supporting the second trailer.

Ref : U. S. Patents : 5009169, 5220870  
4917020 4448132

Agent : M/s. Depenning & Depenning.



(Comp. Specn. : 29 pages;

Drgs; 12 Sheets.)

Ind. Cl. : 64 B 3

184708

Int. Cl.<sup>4</sup> : H 01 R-9/00

"A DEVICE FOR INTERCONNECTING A FIRST PLURALITY OF WIRES TO A SECOND PLURALITY OF WIRES"

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, DOMICILED AT 3M CENTER, SAINT PAUL, MINNESOTA 55144-1000, UNITED STATES OF AMERICA.

Inventors : (1) GARY B. MATTHEWS

Application No. : 847/MAS/94 filed on 01 Sept. 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 14 Claims

A device for interconnecting a first plurality of wires to a second plurality of wires, respectively, comprising :

an elongate connector body;

a plurality of contact means, disposed on said connector body, for establishing electrical connection between respective wire pairs formed from one of the first plurality of wires and one of the second plurality of wires;

a cover member removably attached to said connector body such that said cover member urges the first plurality of wires toward said contact means when said cover member is attached to said connector body;

an elongate strip member not longer than said connector body;

retaining means, located on said strip member, for retaining at least one of the first plurality of wires; and

means for releasably securing said strip member to said connector body such that said strip member is generally parallel with said connector body.

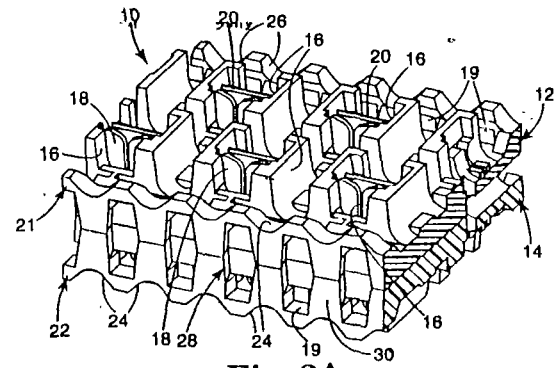


Fig-2A

(Com. Specn. : 22 Pages;

Drawings : 06 Sheets)

Ind. Class : 172 C 4

184709

Int. Cl.<sup>4</sup> : D 01 G 19/14

"A DRAFFRAME FOR SANDWICH BLENDING OF FILAMENTS AND A METHOD OF PRODUCING SANDWICH BLENDED AND DRAWN FIBRES THEREFROM"

Applicant : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, COIMBATORE AERODROME POST, COIMBATORE 641 014, TAMILNADU, INDIA, SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT. 1860

AND

JAYALAKSHMI ENGINEERING MANUFACTURERS (P) LIMITED, PB NO. 2080, KRISHNARAYAPURAM, GANAPATHY, COIMBATORE 641 006, TAMILNADU, INDIA, AN INDIAN COMPANY.

Inventors .

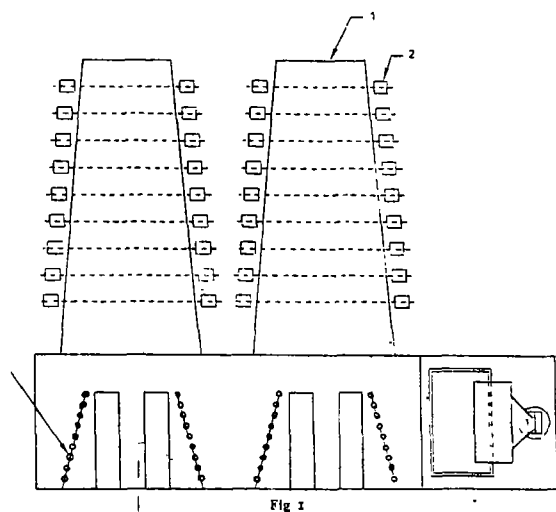
1. INDRA DORAISWAMY
2. KANDASWAMY PERUMAL CHELLAMANI
3. ARAMVALARTHANATHAN KANTHIMATHINATHAN
4. MURUGESAN KATHIRVEL
5. G. VENKATASWAMY NAIDU VENUGOPAL

Application No. : 1000/MAS/94 filed on 17th Oct. 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 08 Claims

A drawframe for sandwich blending of filaments comprising a feed table, a plurality of creel calender roller assembly mounted thereon, each creel calender assembly being provided with a set of guide rollers, a plurality of preblending drafting zones, each said drafting zone being provided with a set of drafting, calender rollers and calender rollers, a sandwich table for superimposing, layering and sandwiching the slivers, from the said preblending drafting zones, a main drafting zone for blending and drafting the sandwiched sliver, coiler rollers and cans for coiling and canning the drawn and sandwiched filaments.



(Com. Specn. : 11 Pages;

Drawings : 02 Sheets)

Ind. Cl. : 107 I

184710

Int. Cl<sup>4</sup> : F 02 M 3/10

"A CARBURETOR COMPRISING A JET NEEDLE FOR FUEL METERING".

Applicant : KEIHIN SEIKI MFG. CO. LTD., A JOINT-STOCK COMPANY DULY ORGANISED UNDER THE LAWS OF JAPAN, 3-17 SHINJUKU 4-CHOME, SHINJUKU-KU TOKYO, JAPAN.

Inventors :

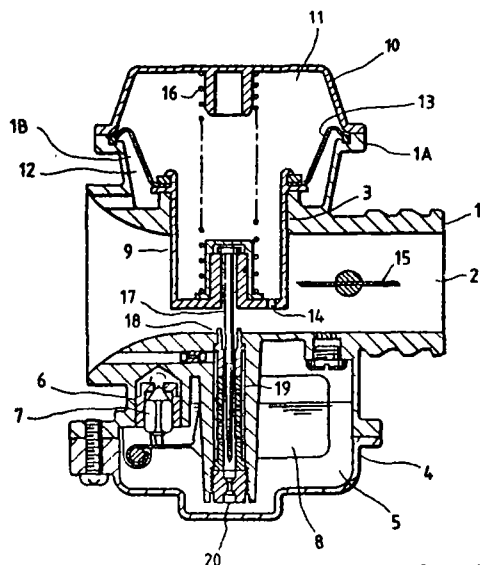
1. TOSHINOBU UEOKA
2. HIROSHI YAMAZOE

Application No. : 1058/MAS/94 filed on 1st November 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 5 Claims

A carburetor comprising a jet needle for fuel metering installed in a sliding valve ascending and descending in an intake passageway provided through a carburetor body, said jet needle being inserted in a needle jet for fuel injection opened in the intake passageway wherein said needle jet is constructed by eutectoid of ceramic fine particles in a nickel-phosphorous plating processed film on a nickel-phosphorous plating processable material, and said jet needle is constructed by hardening processing of a 440-series stainless steel which is of a martensite series.



(Comp. Specn. 22 Pages,

Drgs. 2 Sheets

Ind. Cl. : 107 C, G

184711

Int. Cl<sup>4</sup> : F 02 B 75/00, 75/24

"AN ENGINE"

Applicant : DENNER INC., EIGHTH JUDICIAL DISTRICT, C/O 1055 E FLAMINGO # 124, LAS VEGAS, NEVADA, ZIP EXEMPT DMM 122.32, U. S. A., (A U.S. CORPORATION)

Inventors :

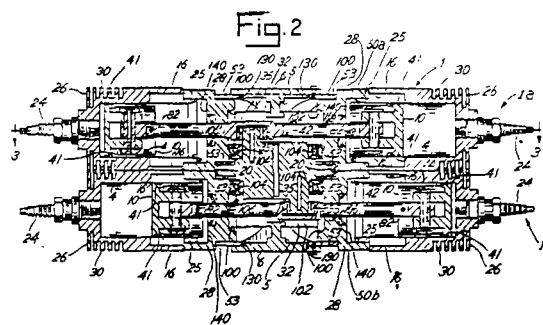
1. MELVIN A VAUX
2. THOMAS R DENNER.

Application No. : 427/MAS/94 filed on 23rd may 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 15 Claims

An engine comprising a housing which has a central crank case having a chamber therein and at least two oppositely located cylinders, one of said cylinder on each side of said crank case with said crank case chamber there between, a piston shiftably supported in each cylinder, a yoke connected between said pistons and extending through said crank case chamber, said yoke being shiftable between first and second reciprocal positions within said crank case chamber upon alternating movement of said pistons within said cylinders, a flywheel journaled in said crank case chamber, means carried by said flywheel accessible from said crank case for imparting driving power to a power input during flywheel rotation, said yoke having a cam member located generally centrally between said pistons, said flywheel having means engaging said yoke cam member for imparting rotation to the flywheel upon movement of said yoke between its said first and second positions, said yoke cam member having camming means contacting said flywheel means for imparting controlled movement to each piston during fuel detonation within its said cylinder, and means for detonating said fuel within each cylinder.



(Comp. Specn. 18 Pages;

Drgs. 7 Sheets.)

Ind. Cl. : 28 C

184712

Int. Cl<sup>4</sup> : F 23 D 14/00

"A BURNER ASSEMBLY"

Applicant : COEN COMPANY, INC., A CALIFORNIA CORPORATION, 1510 ROLLINS ROAD, BURLINGAME, CALIFORNIA 49010, USA.

Inventors :

1. VLADIMIR LIFSHITS
2. STEVE B LONDERVILLE.

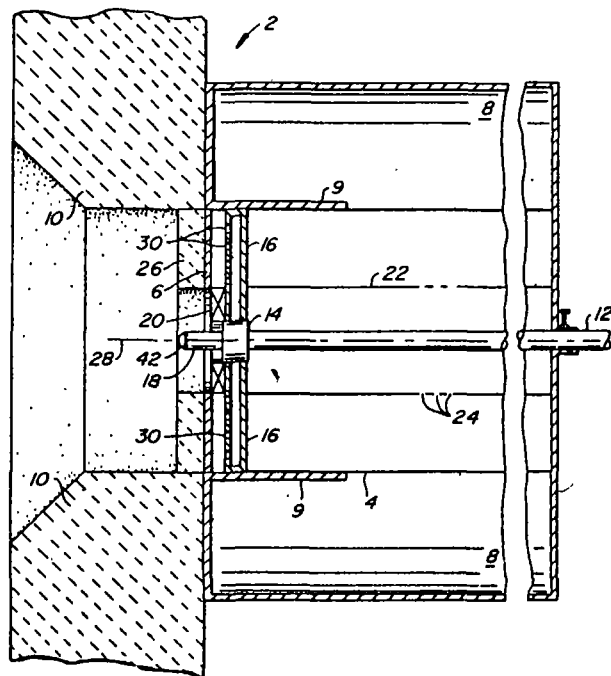
Application No. : 443/MAS/94 filed on 27th May 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 9 Claims

A burner (2) assembly comprising a burner plate (6) having an outer surface for facing a combustion chamber, an inner surface, and a plurality of circumferentially arranged generally radially extending slots (32) formed therethrough for introducing air and fuel gas into a combustion chamber; and

a plurality of circumferentially arranged radially extending burner tubes (16) each having an inner end portion capable of being coupled to a fuel gas source and an outer end portion, each tube having a plurality of discharge openings (30) and being oriented such that its discharge openings are aligned with one of said slots (32) for directing fuel gas therethrough, said burner tubes further being oriented such that the ratio of the distance between the outer end portions of adjacent burner tubes is substantially greater than the distance between the inner end portions of said adjacent tubes.



(Comp. Specn. : 33 Pages;

Drgs. 5 Sheets.)

Ind. Cl. : 172 D 4

184713

Int. Cl<sup>4</sup> : D 01 G-15/92

"A CONNECTING SYSTEM BETWEEN A FLAT ROD OF A REVOLVING FLAT CARD AND A FLEXIBLE DRIVE BELT FOR FLAT RODS".

Applicant : MASCHINENFABRIK RIETER AG, OF CH-8406 WINTERTHUR, SWITZERLAND A SWISS BODY CORPORATE.

Inventors :

1. DEMUTH ROBERT.
2. FAAS JURG.
3. CAHANNES PAUL.

Application No. : 454/Mas/94 filed on 30th May 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

## 24 Claims

A connecting system between a flat rod of a revolving flat card and a flexible drive belt for flat rods, wherein a flexible connecting element is formed as a snap-on connection integrally with the drive belt or with a part of the flat rod, and is received directly in a part of the flat rod or in the belt.

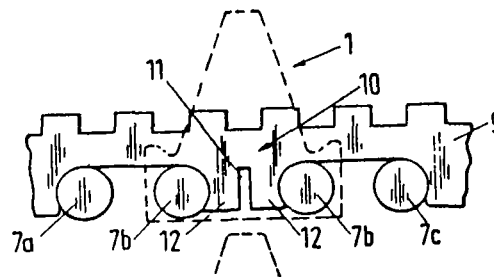


Fig. 2

(Comp. Specn. : 24 pages;

Drgs : 4 Sheets.)

Ind. Cl. : 39 E

184714

Int. Cl<sup>4</sup> : B 01 J 37/02

"A CATALYST COMPOSITION FOR CATALYTIC ALKYLATION OF HYDROCARBONS".

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH COMPANY, 4, AVENUE DE BOIS PREAU, 92502 RUEIL MALMAISON, FRANCE.

Inventors :

1. JOLY JEAN-FRANCOIS
2. BERNHARD JEAN-YVES
3. FERRER NATHALIE
4. BENAZZI ERIC.

Application No. : 465/Mas/94 filed on 1st June 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 8 Claims

A catalyst composition for catalytic alkylation of hydrocarbons comprising known porous organic or mineral support impregnated with a mixture of sulphuric acid and trifluoromethanesulphonic acid optionally containing water wherein said support before impregnation has a specific area of between 0.01 and 1500m<sup>2</sup>/g, a total pore volume of between 0.005 and 3 cm<sup>3</sup>/g and essentially has substantially spherical particles having an average diameter of between 5 and 150 um, and said mixture has the following composition

- sulphuric acid between 80 and 99.5% by wt;
- trifluoromethanesulphonic acid between 0.5 to 15% by wt;
- water between 0 and 5% by wt.

(Comp. specn. 18 pages;

Drg. nil sheet.)

Ind. Cl. : 24 D<sub>2</sub> F

184715

Int. Cl<sup>4</sup> : B 60 T 15/00

AN ELECTROMAGNETIC DE OPERATED TWO PORT TWO POSITION NORMALLY CLOSED PRESSURE MODULATION VALVE FOR HYDRAULICALLY OPERATED BRAKES OF AN AUTOMOBILE.

Applicant : BRAKES INDIA LIMITED, AN INDIAN COMPANY OF PADI, CHENNAI-600 050.

## Inventors :

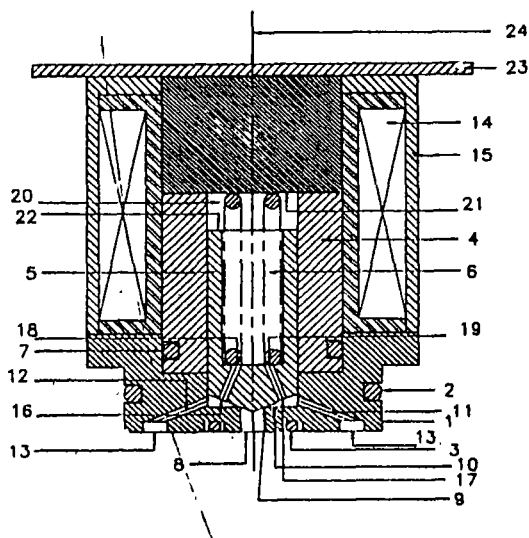
1. VTVS. RAMACHANDRA RAO
2. L. S. RAJARAM
3. B. NAGARAJENDRA GOWD
4. S. THENMOZHI
5. SIDDANAGOUDA SANKANAGOUD
6. M. V. APPALA RAJU

Application No. : 802/Mas/94 filed on 25th August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 4 Claims

An Electromagnetic DC operated two port two position normally closed pressure modulation valve for hydraulically operated brakes of an automobile comprising of a base (1) connected to the hydraulic control unit of the automobile, sealing rings (2), (3) & (7) to prevent leakage of brake fluid, inlet port (8) and outlet ports (11) & (12), an annular passage (9) which allows the brake fluid to flow from inlet port (8) to the annular chamber (13) a plunger (5) which normally closes the annular passage (9), by means of a spring (6), a bimetallic cylindrical member (4) which houses the plunger (5) and the spring (6), an electromagnetic coil (14), covered by an outer magnetic shell (15) which houses the electromagnetic coil (14) and the bimetallic cylindrical member (4) in which the excitation of the electromagnetic coil (14) by the DC source in the automobile causes the plunger (5) to lift off and move away from the annular passage (9) allowing the brake fluid to pass through the annular passage (9) wherein the bimetallic cylindrical member (5) is made of magnetic and non-magnetic materials fusion welded together.



(Comp. Specn. 7 pages;

Drg. one sheet.)

Ind. Cl. : 24 F

184716

Int. Cl<sup>4</sup> : B 60 T 17/00

SPEED SENSING DEVICE FOR ANTILOCK BRAKING/TRACTION CONTROL SYSTEMS ON AUTOMOBILES.

Applicant : BRAKES INDIA LIMITED. AN INDIAN COMPANY OF PADI, CHENNAI-600 050.

## Inventors :

1. VTVS. RAMACHANDRA RAO

## 2. B. NAGARAJENDRA GOWD

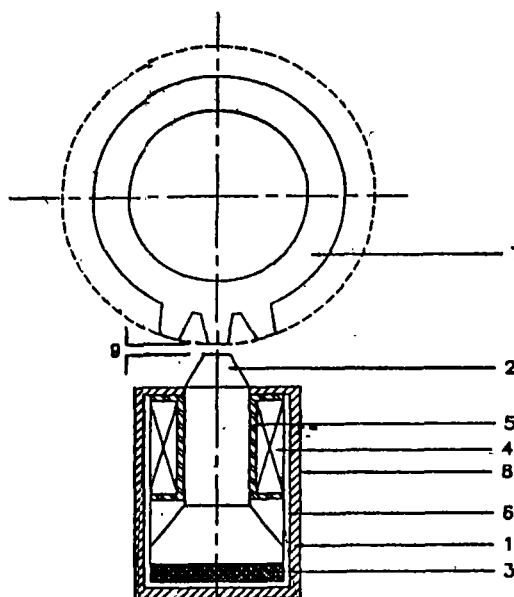
## 3. SIDDANAGOUDA SANKANAGOUD

Application No. : 803/Mas/94 filed on 25th August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 03 Claims

A Speed Sensing Device For Anti-Lock Braking Traction Control System on Automobile consisting of a Speed pick up/Speed Sensor (8) and an exciter wheel (7), separated by an air gap (9), where in the speed pick up/speed sensor (8) which is cylindrical in shape consists of an outer shield of plastic material (1), a high grade magnetic core (2) at one end, namely the end near the exciter wheel (7), a high grade permanent magnet (3) at the other end, an electro magnetic coil (4) wound round a bobbin made up of non-magnetic material and adjacent to the magnetic core (2), the magnetic core (2) and the electro magnetic coil (4) being wrapped by a thermal and electric insulating material (6), and wherein the exciter wheel (7) has teeth and is rigidly coupled to the rotating member of the automobile which is positively connected to the braked or accelerated wheel of the automobile.



(Comp. Specn. : 6 pages;

Drg : 1 Sheet.)

Ind. Cl. : 119 C

184717

Int. Cl<sup>4</sup> : D 03 J 1/14

AN APPARATUS FOR HANDLING HEALDS FOR A WARP THREAD DRAWING-IN MACHINE.

Applicant : STAUBLI AG PFAFFIKON, POSTSTRASSE 5, 8808 PFAFFIKON, SWITZERLAND, A SWISS COMPANY.

## Inventors :

1. THEOPHIL LECHNER
2. JANOS MAGDIKA.

Application No. : 820/Mas/94 filed on 26th August 1994.

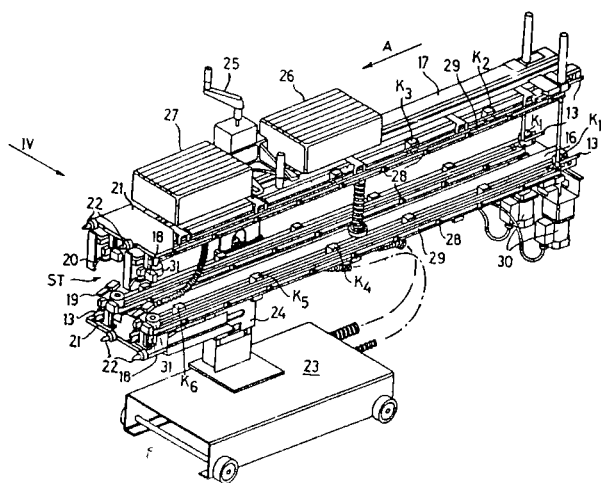
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 13 Claims

Apparatus for handling healds for a warp thread drawing-in machine, comprising a plurality of carrier rails for storing healds, transport means for moving the healds along a transport path to a separating station at which



the healds are separated for purposes of providing the healds for warp-thread drawing-in, a plurality of controlled clamps for holding each of the carrier rails, the controlled clamps being spaced apart to subdivide the transport path into a plurality of sections the healds being transported in sets from section to section along the transport path with the clamp located between adjacent sections being opened to allow the healds to move past the clamp.



(Comp. Specn. : 18 pages;

Drgs. 7 sheets.)

Ind. Cl. : 141 A

184718

Int. Cl<sup>4</sup> : C 22 B 1/00

"A METHOD OF PRODUCING FREE FLOWING REDUCIBLE IRON CONTAINING AGGLOMERATES DURING DIRECT REDUCTION OF IRON CONTAINED THEREIN"

Applicant : AKZO NOBEL N. V. OF VELPERWEG 76, 6824 BM ARNHEM, THE NETHERLANDS, A DUTCH COMPANY.

Inventor : (1) HARRY R. G. STEEGHS

Application No. : 880/Mas/94 filed on 08th September 1994

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

A method of producing free flowing reducible iron containing agglomerates for direct reduction of iron contained therein comprising the step of treating reducible iron containing agglomerates prior to said direct reduction with a dispersion of at least one aluminium containing particulate material such as herein described which are substantially non-hardening in the presence of water, to produce said free flowing reducible agglomerates.

(Comp. Specn. : 19 Pages;

Drg sheet Nil.)

Ind. Cl. : 128 F

184719

Int. Cl<sup>4</sup> : A 61 M 5/50, 37/00

"IMPLANT INJECTION DEVICE".

Applicant : LEIRAS OY, P. O. BOX 415, FIN-20101 TURKU, FINLAND, A FINNISH COMPANY.

Inventors :

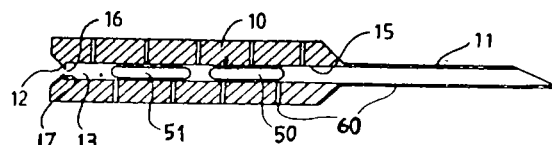
1. HANNU ALLONEN
2. PEKKA LANKINEN
3. MATTI LEHTINEN.

Application No. : 882/Mas/94 filed on 8th september 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

16 Claims

An implant injection device for once-only use said device comprising an elongated implant housing (10) a cannula (11) and a plunger (20) which is longitudinally movable in the implant housing characterized in that the surface (21) of the plunger and the inner wall (15) of the implant housing equipped with interacting organs (22, 12) which permit the plunger to move inwards into the implant housing but which prevent the removal of the plunger from the implant housing.



(Comp. Specn. 15 pages;

Drgs. 2 Sheets.)

Ind. Cl. : 188, 40F

184720

Int. Cl<sup>4</sup> : C 23 C 18/40

"A PROCESS FOR THE DEPOSITION OF METALLIC COPPER ON A CATALYTICALLY ACTIVATED SURFACE".

Applicant : LILLY INDUSTRIES (USA) INC., 733 S. WEST STREET INDIANAPOLIS, INDIANA 46225, U. S. A. (AN INDIANA CORPORATION) U. S. A.

Inventor : 1. JOSEPH SOLTYS.

Application No. 1005/Mas/94 filed on 18th October 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

16 Claims

A process for the deposition of metallic copper on a catalytically activated surface comprising providing cupric ions in aqueous solution, adding to said cupric ions an ammonia-free reducer to rapidly reduce said cupric ions to cuprous hydroxide, and thereafter effecting controlled disproportionation of the resultant cuprous hydroxide to bring about the deposition of metallic copper principally on said surface.

(Comp. Specn. 27 pages;

Drg. Nil sheet.)

Ind. Cl. : 134.

184721

Int. Cl<sup>4</sup> : F 16 C, 1/02, 1/12.

"VARIATOR FOR TRANSMISSIONS OF THE TOROIDAL RACE ROLLING-TRACTION TYPE."

Applicant : TOROTRAK DEVELOPMENT LIMITED, A BRITISH COMPANY, OF 101 NEWINGTON CAUSEWAY, LONDON SE16BU, ENGLAND.

Inventor : THOMAS GEORGE FELLOWS—ENGLAND.

Application for patent no. 612/Del/91 filed on 8th July, 1991.

Convention Application No. 9015438.6/U.K. 13-7-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A variator for a transmission of the toroidal-race rolling-traction type, in which each of a set of rollers (1) transmitting traction between an input disc (51, Fig. 3) and an output disc (40) is positioned hydraulically by means of an attached and doubleacting piston working within a hydraulic cylinder (5-6, Fig. 1), characterised in that all the cylinders lie to the same side of a common plane (43 a, fig. 2) including the axis (43) of the discs.

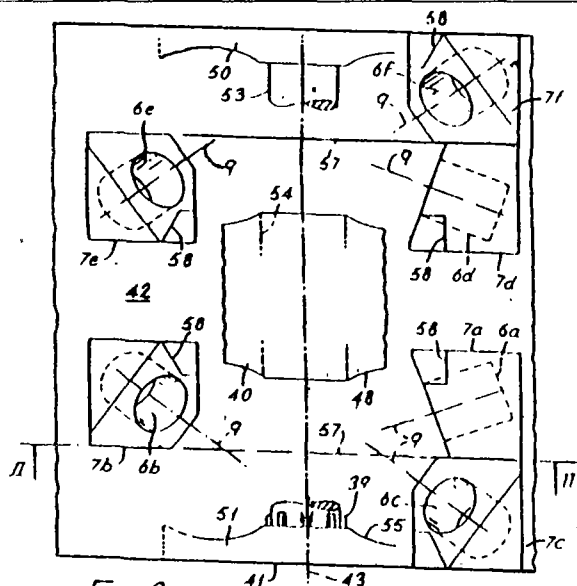


Fig. 3

(Complete Specification 12 Pages

Drawing Sheets; 3).

Ind. Cl. : 51 D.

184722

Int. Cl.<sup>4</sup> : B 26 B, 21/00.

"METHOD AND APPARATUS FOR MANUFACTURING A RAZOR BLADE AND RAZOR BLADE MANUFACTURED."

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor(s) : DANIEL B. LAZARCHIK—U.S.A. AND HENRYK J. CHYLINSKI—U.S.A.

Application for Patent No. 680/Del/91 filed on 29th July, 1991.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

12 Claims

A method of manufacturing a razor blade, said razor blade being in the form of a strip of metallic material having a plurality of apertures extending therethrough with each aperture presenting radially inwardly directed sharpened cutting edges, said method comprising the steps of providing a metallic strip having a plurality of apertures extending therethrough and characterised by the steps of initially mechanically displacing edge margins surrounding the apertures upwardly to stand proud of the strip upper surface, forming facets by any known method, said facets lying substantially parallel to said strip upper surface and defining a shaving plane substantially parallel to and spaced from said strip upper surface and cold working the strip and facets to provide the ultimate cutting edge surrounding each aperture, said cutting edge defining a shaving angle of 15°—35° relative to the plane of the strip upper surface and an exposure of 0.01-0.1 millimeter.

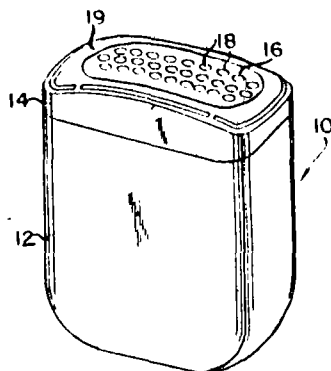


Fig. 1

(Compl. Specn. 14 Pages

Drgns. Sheets-2).

Ind. Cl. : 32

184723

Int. Cl.<sup>4</sup> : C 22 B

A METHOD OF PRODUCING AN EXTRUDED ALUMINIUM ALLOY HAVING IMPROVED PROPERTIES.

Applicant : ALCAN INTERNATIONAL LIMITED, OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC H3A3G2, CANADA.

Inventor(s) : MARTIN ROY JARRETT—ENGLAND, WILLIAM DIXON—ENGLAND.

Application for patent No. 689/Del/91 filed on 30-07-91.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

13 Claims .

A method of producing an extruded aluminium alloy having improved properties in a specified direction transverse to the extrusion direction, which method comprises providing an extrusion billet of the aluminium alloy, by either casting a billet of a desired shape or machining a billet to a desired shape characterised by introducing the billet of the desired shape, into an extrusion container, compressing the billet in any known manner within the extrusion container to cause upsetting in a direction substantially parallel to the specified direction, and extruding the upset billet to form the extruded aluminium alloy and if desired subjecting the extruded aluminium alloy to a thermomechanical treatment.

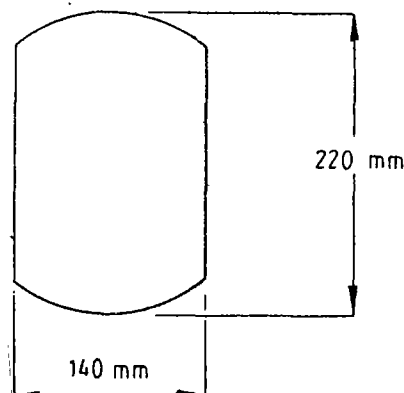


Fig. 1

(Compl. Specn. 23 Pages;

Drgns. 1 Sheet.:1)

Ind. Cl. : 206E

184724

Int. Cl.<sup>4</sup> : G 06 F-15/62

APPARATUS FOR PREPARING A CALLING IMAGE.

Applicant : DIGITAL EQUIPMENT CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA, OF 146 MAIN STREET MAYNARD, MASSACHUSETTS 01745, UNITED STATES OF AMERICA.

Inventor : DANIEL LEE MURPHY—U.S.A.

Application for Patent No.. 693/Del/91 filed on 30-7-91.

Appropriate Office for Opposition Proceedings Rule 4 (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

Apparatus for preparing a calling image on a computer, comprising : means for recording an ordered list of identified symbols in a target image which are available for referencing by said calling image;

menas for constructing from said ordered list a symbol vector associated with said target image, said symbol vector containing a vector entry identified by a vector index for each of said identified symbols, and each vector entry containing corresponding target information for said identified symbol;

means for binding, in said calling image, a vector index corresponding to each identified symbol which is referenced in said calling image; and

means, effective upon activating said target image and said calling image, for obtaining from said symbol vector said corresponding target information for each of said identified symbols by utilizing said vector index bound into said calling image.

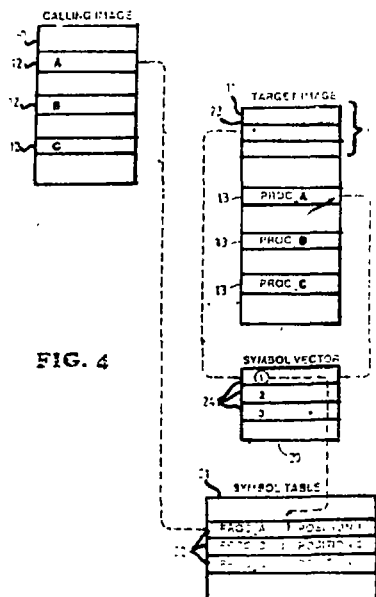


FIG. 4

(Compl. Specn. 15 pages)

Drg. 5 Sheets.)

Ind. Cl. : 32F,C

184725

Int. Cl.<sup>4</sup> : C07C 27/10, 27/22

AN IMPROVED METHOD FOR THE PREPARATION OF PHENOL, DIHYDROXYBENZENES AND 1, 4 BENZOQUINONE SIMULTANEOUSLY BY HYDROXYLATION OF BENZENE USING PHASE TRANSFER CATALYST.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (XXI OF 1860).

Inventor(s) : PRAMOD PRABHAKAR MOGHE-INDIA, ASHWINI VINAYAK POL-INDIA, MADHAV GOPAL KOTASTHANE-INDIA, PRAKASH KONDIBA BAHIRAT-INDIA.

Application for Patent No. 708/Del/91 filed on 2-8-91.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(8 Claims)

An improved process for the preparation of phenol, dihydroxybenzenes and 1, 4 benzoquinone simultaneously by hydroxylation of benzene using phase transfer catalyst which comprises adding hydrogen peroxide to benzene at a temperature in the range of 10°-80°C in the presence of a conventional phase transfer catalyst such as herein described & if desired separating the individual compound by conventional methods.

(Compl. Specn. 10 pages;

Drgs. Nil.)

Ind. Cl. : 146.

184726

Int. Cl.<sup>4</sup> : F 03 G-3/00.

APPARATUS FOR COUNTERGRAVITY CASTING OF MOLTEN METAL.

Applicant : HITCHINER MANUFACTURING CO., INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW HAMPSHIRE, UNITED STATES OF AMERICA, OF ELM STREET, MILFORD, NEW HAMPSHIRE 03055, UNITED STATES OF AMERICA.

Inventor(s) : GEORGE DIXON CHANDLEY—U.S.A. AND RICHARD TERRANCE CARTER—U.S.A.

Application for Patent No. 723/Del/91 filed on 7th August 1991.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005.

(9 Claims)

Apparatus for countergravity casting of molten metal which comprises:

- refractory particulate support substrate disposed in a housing,
- a refractory investment shell disposed in the support substrate, said shell having a mold cavity defined by a mold wall thickness not exceeding about .12 inch,
- a lower molten metal inlet disposed external of the support substrate for communicating the mold cavity and an underlying source of the molten metal,
- evacuating means connected to said mold cavity for evacuating the mold cavity,
- pressure means for applying such a pressure to the support substrate while the mold cavity is evacuated as to compress the support substrate about the shell to support it against casting stresses, and
- means for communicating the molten metal inlet to said source when the mold cavity is evacuated and the pressure is applied to the support substrate so as to urge the molten metal upwardly into the evacuated mold cavity.

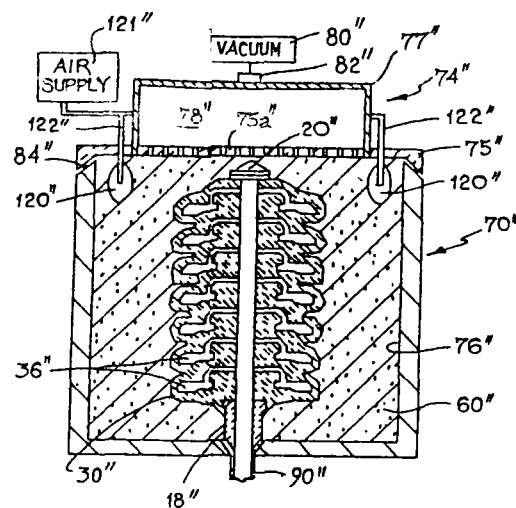


FIG. 6

(Compl. Specn. 34 pages.

Drgs. 3 sheets.)

Ind. Cl. : 40 B  
Int. Cl.<sup>4</sup> : B 01 J 31/02

184727

# A PROCESS FOR THE PREPARATION OF A CRYSTALLINE GALLOSILICATE CATALYST.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION ACT.

Inventors : PAUL RATNASAMY-INDIA, ASHA JEEVAN CHANDWADKAR-INDIA, MOHD. RAKHSHAN-ANJUM ABDULLAH-INDIA.

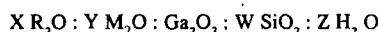
Kind of Application : Complete.

Application for Patent No. 767/Del/91 filed on 22-8-1991.

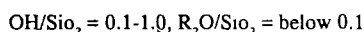
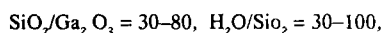
Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(6 claims)

A process for the preparation of a crystalline gallosilicate catalyst having x-ray diffraction pattern and framework infrared spectra as herein defined and a chemical composition in terms of mole ratios of oxides by formula :-



where M is an alkali metal, ammonia, hydrogen or mixture thereof, R is tetraethylammonium bromide, Y is between 0.3 to 1.0, W is in the range : 15-18, X is below 0.1 and Z is from 0.20 which comprises preparing a gel by mixing aqueous solutions of sources of gallium, alkali metal, silicon and tetraethylammonium bromide in the molar composition in terms of ratios of oxides as under :-



where R is as defined above and sulphuric acid heating the said gel at autogeneous pressure & a temperature in the range : 100-150°C till crystallisation is complete, filtering, washing and drying the resultant composite material at 100-120°C for about 12 hrs followed by heating in an inert or oxidising atmosphere at a temperature between 400-500°C for 10-30 hrs to get crystalline gallosilicate catalyst having alkali metal predominantly converting the said catalyst to the catalytically active protonic form by ion-exchange with an aqueous solution of an ammonium salt followed by heating in an inert or oxidising atmosphere at a temperature between 400-500°C from 10 to 20 hrs. to get crystalline gallosilicate catalyst.

(Compl. Specn. 15 pages

Drgs. Sheet Nil).

Ind. Cl. : 129C

184728

Int. Cl.<sup>4</sup> : B 23B 5/08

# A DEVICE FOR COUNTERSINKING DRILLED HOLES IN THE TUBE PLATES OF CONDENSERS.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, AN INDIAN COMPANY OF BHEL HOUSE, SIRI FORT, NEW DELHI-110049 (INDIA).

Inventor : MUKHAI RAM-INDIA.

Application for Patent No. 798/Del/91 filed on 29-8-1991.

Complete left after provisional filed on 27-11-92.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(7 Claims)

A device for counter-sinking drilled holes in tube plates of condensers comprising a head assembly (3) having the drill bit (5) for counter-sinking

purposes, said head assembly (3) having pneumatic operating means (13) for said drill bit (5) being supported on a frame (11) provided below said head assembly (3) characterised in that said head assembly (3) movably mounted on said support frame (11) provided with a roller assembly, for Y-axis movement, said support frame (11) movably mounted on side frames (10'10'') for X-axis movement said side frames adjustably mounted on threaded rods (8a, b, c, d) secured to a base frame vertically and a balance weight (14) being provided with said head assembly for z-axis movement.

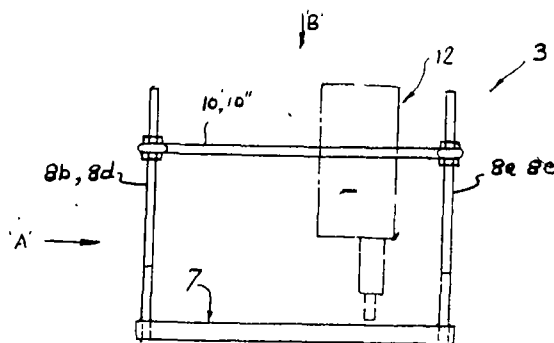


Fig. 1

(Compl. Specn. 14 pages

(Prov. Specn. 6 pages

Drg Sheets 2)

Drg. Sheet Nil).

Ind. Cl. : 31 C.

184729

Int. Cl.<sup>4</sup> : G 01 R-31/16.

# A METHOD FOR PRODUCING CONDUCTING GRID CONTACTS USEFUL FOR SOLAR CELLS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI -110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : ALOK CHANDRA RASTOGI-INDIAN, KOCHUVEEDU SARASWATHI BALAKRISHNAN-INDIAN, SAJI SALKALACHEN-INDIAN.

Application for Patent No. 826/Del/91 filed on 5th Sep. 1991.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(2 Claims)

A method for producing conducting grid contact useful for solar cells which comprises

- providing a coating of epoxy resin on to a clean glass plate,
- laminating the epoxy coated glass plate with copper foil on to the plate and heating and providing pressure,
- forming suitable grids on the surface of the copper laminated glass plate by known photolithographic methods,
- etching the glass plate using a neutral etchant such as potassium orthosulphate,
- dipping the grid so formed in a 1 N citric acid solution for 15 sec. at a temperature between 15-20°C and then in a 1 N acetic acid solution for 10 sec. at a temperature of 30°C for surface conditioning,
- treating the said surface conditioned layer with gold thick film by an electroplating process in a AuCN bath, to form a thick film,
- encapsulating (sealing) the so formed integrated grid on to a semiconductor thin film for solar cells by hot press technique at over pressure of 2-2.5 kg/cm under reduced ambient.

(Compl. Specn. 14 Pages.

Drg. Sheet Nil).

Ind. Cl. : 51 D.

184730

Int. Cl.<sup>4</sup> : B 26 19/40.

"SHAVING AID COMPOSITE FOR USE IN A SHAVING DEVICE OF THE WET SHAVE TYPE."

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor(S) : MINGCHIH MICHAEL TSENG-U.S.A.

Application for Patent No. 889/DEL/1991 filed on 20th sep. 91.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005.

(7 Claims)

A shaving aid composite for use in a shaving device of the wet shave type said shaving aid composite mountable in a body portion of the shaving device adjacent a blade member and having an external skinengaging portion, characterized in that the shaving aid composite is an extruded or injection molded blend of ten to fifty percent by weight ethylene vinyl acetate and fifty to ninety percent by weight polyethylene oxide shaving aid.

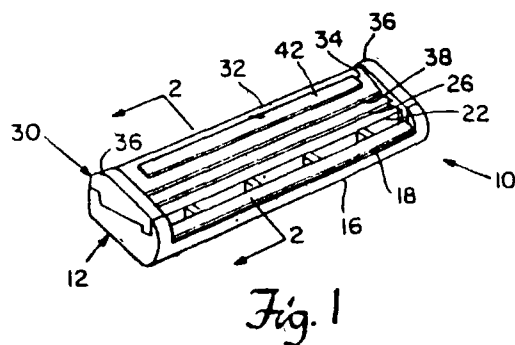


Fig. 1

(Complete Specification 11 Pages

Drawing sheet-1).

Ind. Cl. : 70C<sub>4</sub>

184731

Int. Cl.<sup>4</sup> : C 23C-18/36

"AN IMPROVED PROCESS FOR THE AUTOCATALYTIC (ELECTROLESS) DEPOSITION OF NICKEL ON METALLIC SURFACES FROM ACIDIC BATHS EVEN AT ROOM TEMPERATURE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA.

Inventor(s) : KRISHAN NARANG-INDIA, TRIPURARI LAL SHARMA-INDIA, INDER SINGH-INDIA.

Application for Patent no. : 1278/DEL/90 Filed on 18-12-90.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110 005.

(4 Claims)

An improved process for autocatalytic deposition of nickel on metallic surfaces from acidic bath even at room temperature which comprises :—

- (i) making an electroless nickel plating bath by dissolving in soft water chemicals such as 10-100g/L of nickel sulphate, nickel chloride or a mixture of both, 0-200g/L of complexing agents such as citrates, acetates of alkali metals, ammonia, 5-60g/L of reducing agents such as hypo-phosphite of alkali metals,

- (ii) adding acids, such as sulphuric acid, hydrochloric acid or alkali such as sodium hydroxide for adjusting pH of the solution between 1 and 7.0,

- (iii) Heating the above prepared solution, if required, under stirring, to a temperature range of 25-110 deg. c,

- (iv) Pre-treating the surfaces of metals to be coated by known methods,

- (v) Dipping at least two sheets (electrodes) of the said pretreated metal or alloy into the bath so prepared,

- (vi) Passing alternating current at a voltage in the range of 0 to 10 volts between the two sheets (electrodes) kept at a distance of atleast 3 to 5 cms to get nickel deposited,

- (vii) Rinsing the nickel deposited sheets thoroughly with water and drying in hot water/air.

(Complete Specification 11 Pages

Drawing sheet NIL)

Ind. Cl. : 39 Q.

184732

Int. Cl.<sup>4</sup> : 01 G 11/02.

"AN IMPROVED PROCESS FOR THE PREPARATION OF PHOTOCONDUCTIVE CADMIUM SULPHIDE POWDER USEFUL FOR XEROGRAPHIC APPLICATIONS."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : NARASIMHAN RANGARAJAN-INDIAN, MARY JULIANA CHOCKALINGAM-INDIAN, KRISHNA MOORTHY NAGARAJA RAO-INDIAN, MUTHIRULANDI JAYACHANDRAN-INDIAN AND ALUR SUNDARAM LAKSHMANAN-INDIAN.

Application for Patent No. : 540/DEL/91 filed on 20th June, 1991.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005.

(5 Claims)

An improved process for the preparation of photoconductive cadmium sulphide powder useful for xerographic applications which comprises :

- (a) preparing cadmium sulphide precipitate by reacting aqueous solution of any cadmium salt such as herein described of analytical grade and a sulphur containing organic or inorganic compound as herein described also of analytical grade at room temperature under neutral atmosphere.
- (b) washing the resulting precipitate thoroughly with 10 % acetic acid to remove the traces of cadmium hydroxide,
- (c) filtering and washing the precipitate with distilled water till filtrate is neutral,
- (d) drying the precipitate at 100°C for about 6 to 8 hours, to obtain cadmium sulphide in powder form, size the said powder by known methods to have particle size of 1 to 5 micrometer,
- (e) sonsitizing the said cadmium sulphide powder by heating in a silica dish covered with a dome shaped pyrex glass cup such as herein described, at a temperature between 500-600° C for a period between 30 and 100 minutes, and
- (f) cooling the powder, and if desired, adding 5 to 15% by weight of conventional organic binder as herein described to get photoconductive cadmium sulphide.

(Complete Specification 12 Pages

Drawing sheet-Nil).

Ind Cl. : 32 B

184733

Int. Cl.<sup>4</sup> : C07C 5/00

"A PROCESS FOR THE PREPARATION OF C<sub>6</sub>-C<sub>8</sub> HYDROCARBON SOLVENT CONTAINING LESS THAN 0.1% AROMATICS FROM PARAFFINIC RICH STREAMS.

Applicant : ENGINEERS INDIA LIMITED, OR ENGINEERS INDIA BHAWAN, 1, BHIKAJI CAMA PLACE, NEW DELHI-110 066-INDIA

AND

INDIAN OIL CORPORATION, OF INDIAN OIL BHAWAN, G-9, ALI YAVAR JUNG MARG, BANDRA (EAST), BOMBAY-400 051-INDIA

Inventor(s) : G. ARUNA-(INDIA), P.K. SON-(INDIA), S.J. CHOPRA-(INDIA), RAJESH SINGH-(INDIA), U. MANNA-(INDIA), R.P. VERMA-(INDIA).

Application for Patent No. : 1866/DEL/96 filed on 21-08-96.

Appropriate Office for Opposition Proceedings rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(3 Claims)

A process for the preparation of C<sub>6</sub>-C<sub>8</sub> hydrocarbon solvent containing less than 0.1% aromatics from paraffinic rich streams of the kind such as herein described which comprising subjecting said paraffinic rich stream to a liquid phase adsorption in one or more adsorption columns containing an adsorbent, said adsorption is carried out at a pressure from 0 to 10 kg/cm<sup>2</sup>/g and at a temperature from ambient to 180°C. said adsorbent being a treated granular activated carbon having the following physical properties :

Bulk density	: 400-470 kg/m <sup>2</sup>
Surface area	: 1100m <sup>2</sup> /g (min.)
Iodine Number	: 900mg (min.)
CTC	: 65 wt % (min.)
Bulk crushing strength	: 15 Mpa (min.)

(Complete Specification Pages 11

Drawing Sheets 2.)

Ind. Cl. : 55 E<sub>4</sub>.

184734

Int. Cl. : A 61 K.

"A PROCESS FOR THE PREPARATION OF MEDICINAL COMPOSITION FOR TREATMENT OF ASTHMA."

Applicant : WANG XIAO JIE, OF FLAT NO. 55, AMBIKA APARTMENTS, PLOT NO. 5, SECTOR 14, ROHINI, NEW DELHI-110085.

Inventor : WANG XIAO JIE-INDIAN.

Application for Patent No. : 1936/DEL/96 filed on 30th Aug. 1996.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005.

(4 Claims)

A process for the preparation of novel medicinal composition for treatment of asthma comprising :

- (a) mixing 15.25% granular root of Ginseng, 15.25% powdered Black Agalloch Eaglewood, 5-10% granular Pearl shell, 15-25% dried Caterpillar Fungus plant, 15-25% dried Cordyceps Sinensis and 10-18% granulated horns of Pilose Antler, all taken in a predetermined amount, in a small earthen pot which is then filled with 250-500 ml of water;

- (b) heating the said earthen pot containing the reaction mixture on a slow fire and boiling the said mixture for half an hour to three hours, to arrive at a concentrate of the reaction mixture;

- (c) adding 0.3 to 2.5% granulated Clam as herein described to the concentrate either before or after drying the said concentrate and mixing the two ingredients thoroughly to arrive at a concoction or granular mixture.

(Complete Specification 9 Pages

Drawing Sheet-Nil.)

Ind. Cl. : 32C, 55 E<sub>4</sub> + F

184735

Int. Cl.<sup>4</sup> : A6

"A PROCESS FOR THE PREPARATION OF MISOPROSTOL."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001. (INDIA).

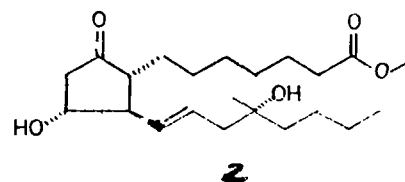
Inventor(s) : THOTTAPPILLIL RAVINDRANATHAN-INDIA RADHIKA DILIP WAKHARKAR-INDIA HANUMANT BAPURAO BORATE-INDIA.

Application for Patent No. 2508/DEL/96 filed on 15-11-96.

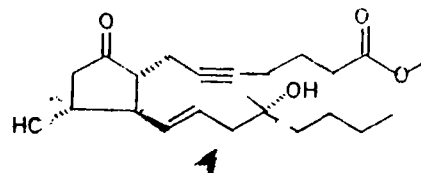
Appropriate office for opposition proceedings rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(3 Claims)

A process for the preparation of misoprostol of the formula 2



which comprises : preparing a solution of 15-deoxy 5, 6-didehydro-16-hydroxy-16-methyl prostaglandin E<sub>2</sub> methyl ester of formula 1



in lower aliphatic alcohol and hydrogenating the solution in presence of a conventional Pd/C. hydrogenating catalyst under the hydrogen atmosphere at 0 to 10°C for 4 to 6 hours till the hydrogenation is complete, removing the catalyst by conventional methods, Concentrating the filtrate by evaporation under vacuum to obtain the product in the residue, purifying the residue by column chromatography to obtain misoprostol in pure form.

(Complete specification pages 8

Drawing sheet 1)

Ind. Cl. : 55E<sub>4</sub>, 55F

184736

Int. Cl.<sup>4</sup> : A 61K 35/78

"A PROCESS FOR PREPARING A SYNERGISTIC MEDICINAL COMPOSITION FOR THE TREATMENT AND THE MANAGEMENT OF MATURITY ONSET FOR DIABETES MELLITUS."

Applicant : SBL LIMITED, AN INDIAN COMPANY OF 14 & 15, "ARUNACHAL", 19 BARAKHAMBA ROAD, NEW DELHI-110001.

Inventor(s) : JUGAL KISHORE-INDIA. OM PRAKASH JAIN-INDIA. SINA THOMAS-INDIA.

Application for Patent No. 470/DEL/97 filed on 25-02-97.

Appropriate Office for opposition proceeding rule 4. (Patents rules 1972) Patent Office Branch, New Delhi-110005.

## (2 Claims)

A process of preparing a synergistic medicinal composition for the treatment and for the management of Maturity Onset Diabetes Mellitus comprising : (i) preparing individually mother tinctures of *Cephlandra Indica* (Leaves), *Gymnema Sylvestre* (Leaves), *Syzygium Jambolanum* (seeds), *Crataegus Oxyacantha* (Berries), *Abroma Augusta* (Leaf) and *Helonias Dioica* (Rhizome & root) according to homeopathic Pharmacopoeia of India, (ii) mixing the above ingredients in the proportion mentioned there against with 12.5 to 15% V/V of *Acidum Phosphoricum* (orthophosphoric acid)

Ingredients	Mother Tincture V/V
(a) <i>Cephlandra Indica</i> (Leaves)	12.5-15% V/V
(b) <i>Gymnema Sylvestre</i> (Leaves)	12.5-15% V/V
(c) <i>Syzygium Jambolanum</i> (seeds)	12.5-25% V/V
(d) <i>Crataegus Oxyacantha</i> (Berries)	5-12.5% V/V
(e) <i>Abroma Augusta</i> (Leaves)	5-12.5% V/V
(f) <i>Helonias Dioica</i> (Rhizome & root)	10-12.5% V/V

(iii) if desired, adding water or alcohol to the above composition to make the volume up to 100ml.

(Complete Specification 8 Pages

Drawing Sheet-Nil)

Ind. Cl. : 55E<sub>4</sub>

184737

Int. Cl.<sup>4</sup> : A 61K 31/00.

"PROCESS FOR THE MANUFACTURE OF RANITIDINE HYDROCHLORIDE FORM 1.

Applicant : RANBAXY LABORATORIES LIMITED, 19, NEHRU PLACE, NEW DELHI-110019.

Inventors : JAG MOHAN KHANNA, NARESH KUMAR, BRIJ KHERA, AND MAHAVIR SINGH KHANNA.

Application for Patent No. 1170/DEL/97 filed on 6-5-97.

Divided out of Patent Application No. 589/DEL/94 dated 13-5-94. Ante-dated to 13-5-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## (2 Claims)

A process for the preparation of Ranitidine hydrochloride Form 1 comprising dissolving Ranitidine hydrochloride Form 2 in lower alkanol containing C<sub>2</sub> to C<sub>5</sub> carbon atoms or a mixture thereof by refluxing followed by addition of a miscible solvent such as ethyl acetate and stirring until crystallisation of Ranitidine hydrochloride Form 1 is complete and then Ranitidine hydrochloride Form 1 prepared, is collected by any known standard method.

(Complete Specification 7 pages

Drawing 4 sheets).

Ind. Cl. : 32 F 2 C, 55 E<sub>4</sub>, 60 X<sub>2</sub> d

184738

Int. Cl.<sup>4</sup> : A 61 K 31/00, C 07 K 5/00, 7/00

"A PROCESS FOR THE PREPARATION OF NOVEL SYNTHETIC HYBRID POLYPEPTIDE USEFUL AS AN ANALGESIC ABENT WITH REDUCED ADDICTION LIABILITIES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) : SANTOSH PASHA-INDIA, SUPARNA GUPTA-INDIA.

Kindi of application : Complete

Application for Patent No. 1717/D/97 Filed on 26-06-97.

Appropriate Office for Opposition Proceeding Rule 4. (Patent Rules 1972) Patent Office Branch, New Delhi-5.

## (6 Claims)

A process for the preparation of novel synthetic hybrid polypeptide having the sequence-Tyr-Gly-Gly-Phe-Met-Lys-Lys-Lys-Phe-Met-Arg-Phe-amide and useful as an analgesic agent with reduced addiction liabilities which comprises :

- (i) anchoring by known methods C terminal activated N- $\alpha$ -protected phenylalanine onto a solid support having a compatible reactive functional group such as herein described;
- (ii) deprotecting the N- $\alpha$ -terminal protecting group of the anchored phenylalanine obtained in (i) by known methods;
- (iii) coupling by known methods the N- $\alpha$ -protected, C terminal activated arginine or its derivatives on to the deprotected  $\alpha$ -amino group of phenylalanine obtained in step (ii);
- (iv) repeating sequentially steps (ii) and (iii) of deprotecting and coupling respectively with amino acids and its derivatives to obtain a solid support attached polypeptide having the sequence Tyr-Gly-Gly-Phe-Met-Lys-Lys-Lys-Phe-Met-Arg-Phe,
- (v) cleaving the polypeptide from the solid support by known methods, followed by purification by known methods.

(Complete Specification 14 Pages,

Drawing sheets)

Ind. Cl. : 55 E<sub>4</sub>, 55 D<sub>2</sub>, 32 F<sub>4</sub>

184739

Int. Cl.<sup>4</sup> : A 61 k 31/00, C 07 c 155/00, A 01 N 33/00

"A PROCESS FOR THE RECOVERY OF PURIFIED THIOCARBAMIDE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT.

Inventor(s) : BALAKRISHNAN SRINIVASA-INDIA, PARANDE MADAN GURURAO-INDIA.

Application for Patent No. 1990/DEL/97 Filed On 17-07-97.

Appropriate office for opposition proceeding Rule 4, (Patents Rule 1972) Patent Office Branch, New Delhi-5.

## (5 claims)

A process for the recovery of purified thiocarbamide from mother liquors which comprises adding to the mother liquor, an organic solvent such as herein described under vigorous stirring and cooling optionally in presence of a non-ionic surface active agent for a period ranging from 1 to 3 hrs. at a temperature ranging between 5 to 25°C, allowing to settle the reaction mixture for a period of 30 to 60 minutes, to obtain the crystalline derivative of thiocarbamide, separating the solid by conventional filtration methods, suspending the separated solid in water, heating the mixture to evaporate the residual solvent in the mixture, to obtain the purified thiocarbamide.

(Complete Specification 10 Pages

Drawing sheets Nil).

Ind Cl. 60 x2a, 32 F2 A  
Int Cl.<sup>4</sup> A61 K 31/00

184740

"AN IMPROVED PROCESS FOR THE PREPARATION OF CYCLOPROPYLAMINE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001.

Inventor(s) :

DR. (MRS) BHANU MANISH CHANDA—INDIA  
DR. (MRS) KANCHAN RAMACHANDRA KAMBLE—INDIA  
DR. RAMAN RAVISHANKAR—INDIA.  
DR. THOTTAPPILLIL RAVINDRANATHAN—INDIA.  
DR. SUBRAMANIA SIVASHANKAR—INDIA.

Application for Patent No 2940/DEL/97 filed on 14-10-97.

Appropriate Office for opposition proceedings rule 4. (Patents rules 1972) Patent Office Branch, New Delhi-110005

(9 Claims)

An improved process for the preparation cyclopropylamine which comprises (i) contacting a mixture of methylcyclopropylketone (acetyl cyclopropane) in a polar solvent, NH<sub>3</sub> and aqueous H<sub>2</sub>O<sub>2</sub> with solid titanasilicate catalyst at a temperature in the range 40 to 100C, separating the eximes from the reaction mixture by conventional methods, (ii) contacting this mixture of eximes along with a solvent with a solid catalyst such as here in described and a diluent gas, in the temperature ranging between 200 and 400C, to obtain a mixture of amides, (iii) hydrolysing the mixture of amides with a solution of an alkali, and isolating the cyclopropylamine by conventional methods Such as here is described.

(Complete Specification 9 Pages

Drawing Sheet—Nil)

Ind Cl. 51 D

184741

Int Cl.<sup>4</sup> B 26 B, 21/00

"SHAVING DEVICE"

Applicant : THE GILLETTE COMPANY, a corporation organised under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, State of Massachusetts, United States of America.

Inventor(s) : GARY RUSSEL MILLER—U.S.A., FREDERICK RALPH BORDEN—U.S.A. and ROBERT ANTHONY TROTTA—U.S.A.

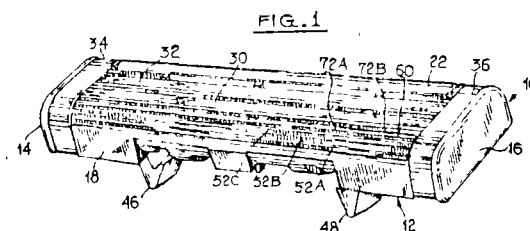
Kind of application : COMPLETE. Application for Patent No. 892/DEL/91 filed on 20-09-1991.

Appropriate office for opposition proceedings Rule 4. (Patents Rules 1972) Patent office Branch, New Delhi-110005.

(16 Claims)

A shaving device comprising a body (12) having a guide means, (64) a fixed skin-engaging member, at least one blade unit (30/32) carried by said body (12) rearwardly of said fixed skin-engaging member and having a cutting edge extending along the length of said body, (12) a movable guard (60) carried by said body (12) between and adjacent to said fixed—skin-engaging member and said cutting edge of said at least one blade unit, 30/32 and a biasing means (64) with said movable guard (60) being positioned in said body (12) in engagement with said biasing means (64) for dynamic movement of said movable guard (60) against said biasing means (64) as directed by said guide means (64) in the course of shaving, characterised in that said fixed skin-engaging member has a skin-tensioning surface thereon, and in that said movable guard (60) has a body portion that at its upper end has at least two integral transversely extending skin-tensioning crest portions (52) disposed for skin-engagement between and adjacent to said fixed skin-engaging member and said cutting edge of said at least one blade unit, (30/32) at least one of said crest portions (52)

of said movable guard (60) being disposed above a shaving plane defined by said cutting edge of said at least one blade unit (30/32) when said movable guard (60) is undisplaced relative to said body (12)



(Complete Specification 11 Pages

Drawing 2 Sheets).

Ind. Cl. : 51 D

184742

Int. Cl.<sup>4</sup> : B 26B 21/44

"A SHAVING DEVICE OF THE WET SHAVE TYPE' AND A PROCESS FOR THE MANUFACTURE THEREOF"

Applicant THE GILLETTE COMPANY, a corporation organised under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, State of Massachusetts, UNITED STATES OF AMERICA

Inventor (s)

IRIS JAYNE DAVIS—U.S.A.,  
BRIAN ARNOTT ROGERS—U.S.A.,  
MINGCHIH MICHAEL TSENG—U.S.A.

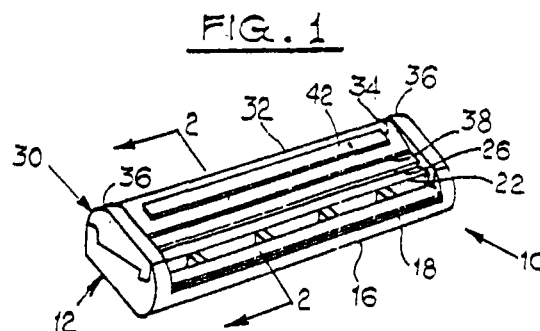
Application for Patent No 896/DEL/91 filed on 20-09-91.

Appropriate office for opposition proceedings Rule 4. (Patents Rules 1972) Patent Office Branch, New Delhi-110005

(11 Claims)

A shaving device of the wet shave type comprising a blade member and structure defining an external skin-engaging portion adjacent the shaving edge of said blade member,

said skin-engaging portion having a shaving aid composite that consists of a matrix of water-insoluble polymeric material, an effective amount of water-leachable shaving aid material, and an effective amount of water-insoluble essential oil material, said water-insoluble essential oil material being delivered from said shaving aid composite concurrently with the delivery of said water-leachable shaving aid material during shaving to apply at least about one nanogram of said essential oil to the skin surface per a square centimeter of skin surface, wherein said polymeric matrix material is selected from the group consisting of polyethylene, polypropylene, polystyrene and polyacetyl, and said shaving aid material is selected from the group consisting of polyethylene oxide, polyvinyl pyrrolidone, polyacrylamide, hydroxypropyl cellulose, polyvinyl imidazolone, polyhydroxyethyl-methacrylate, silicone polymers, sucrose stearate, vitamin E, panthenol and aloe and wherein said shaving aid composite comprises 20-40% by weight of said matrix material, 40-75% by weight of said water-leachable shaving aid material, and 2-20% by weight of said essential oil material



(Complete Specification 13 Pages

Drawing Sheet 1)



Ind. Cl. : 51 D

184743

(7 Claims)

Int. Cl.<sup>4</sup> : B 26 B, 21/14.

## "SAFETY RAZORS.

"Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA

Inventor(s) : ALLAN CROOK—U K

Application for Patent No. 902/DEL/91 filed on 24th Sept 1991

Convention Application No. 9022128 4/U K /11-10-90

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005

(5 Claims)

A safety razor having atleast one blade, a cap and a guard, at least part of the skin engageable surface of the cap is provided with an adherent coating characterised in that said coating comprises substantially spherical elastomeric particles in a polymer matrix, the size and concentration of such particles being such that the coated surface has a surface roughness of 4 to 10  $\mu\text{m}$  centre-line average, with the spacing of the major peaks at 20 to 30 times the surface roughness and the spacing of the subsidiary peaks at 6 to 10 times the surface roughness

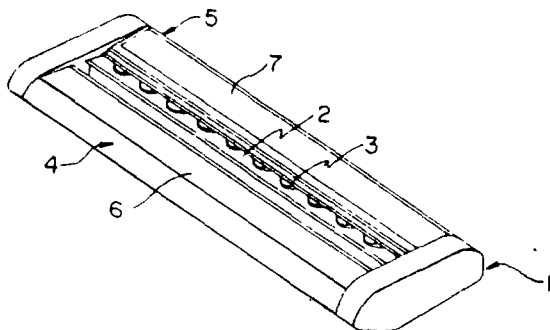


FIG. 1

(Complete Specification 6 Pages.

Drawing 2 Sheets)

Indl Cl. : 62 E.

184744

Int. Cl.<sup>4</sup> : C 08-5/08

## "A DETERGENT COMPOSITION WITH NON-BORATE BLEACH"

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATES OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s) : BRUCE PRENTISS MURCH—U.S.A. and FREDERICK EDWARD HARDY—U K

Application for Patent No. 917/DEL/91 filed on 26-09-91

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005

A detergent composition with non-borate bleach, which comprises from 1% to 50% by weight of a polyhydroxy fatty acid amide surfactant of the formula :



Where R<sup>1</sup> is H, C<sub>1</sub>-C<sub>4</sub> hydrocarbyl, 2-hydroxy ethyl, 2-hydroxy propyl, or a mixture thereof, R<sup>2</sup> is C<sub>5</sub>-C<sub>31</sub> hydrocarbyl and Z is polyhydroxy-hydrocarbyl having a linear hydrocarbyl chain with atleast 3 hydroxyls connected directly to said chain, or an alkoxyated derivatives thereof, and from 1% to 20% by weight a non-borate, non-borate-forming bleaching agent component such as herein described the balance of the composition comprising conventional detergent components.

(Complete Specification 72 Pages,

Drawing Sheet Nil)

Ind. Cl. 116G

184745

Int. Cl.<sup>4</sup> B 65D 25/22

## "A PIPE LIFTING MACHINE".

Applicant PARESH DEVNATH, AN INDIAN NATIONAL OF T-274/A, BALJEET NAGAR, NEW DELHI-8, INDIA.

Inventor(s) PARESH DEVNATH—INDIA.

Application for Patent No. 1001/DEL/91 filed on 17-10-91.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-11005.

(6 Claims)

A pipe lifting machine comprising a machine stand plate (1) having a central hole (H) therein and adapted to be mounted on the pump body pedestal, (P) a hollow lifting screw shaft (4) co-acting with a worm wheel gear (2) being provided in the said central hole (H) for lowering down or lifting up a suction line or pipe, means being provided with said stand plate (P) for rotating said hollow lifting screw shaft (4), a vice (7) secured onto the top end of stand rods (8) being provided to secured the suction line or pipe during the operation of said machine.

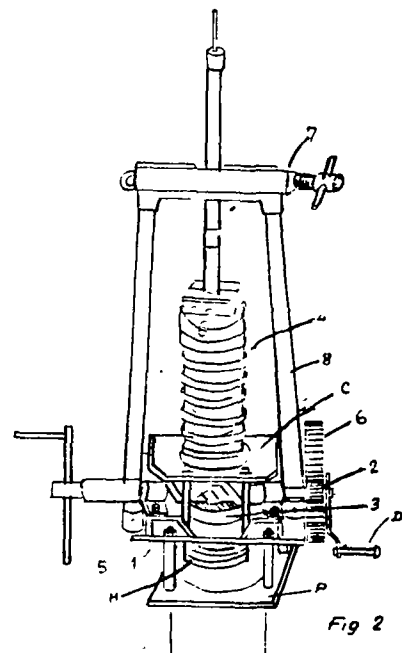


Fig 2

(Complete Specification 9 Pages,

Drawing Sheets 3.)

Ind Cl : 39K  
Int. Cl<sup>4</sup> : C 01F 17/00

184746

# "AN IMPROVED PROCESS FOR THE PREPARATION OF RARE EARTH OXYSULFIDE PHOSPHORS"

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT

Inventors :

HAR PRAKASH NARANG—INDIA,  
HARISH CHANDER—INDIA,  
PRADEEP KUMAR GHOSH—INDIA,  
VIRENDRA SHANKER—INDIA.

Application for Patent No 1030/DEL/91 filed on 24-10-91

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(6 Claims)

An improved process for the preparation of rare earth oxysulfide phosphors which comprises mixing rare earth oxides such as herein described with a conventional sulfuration flux, then heating the mixture at a temperature in the range of 1000-1300°C in an inert atmosphere for a period ranging 1 to 5 hours, washing of the resultant product with de-ionised water to remove the polysulfides of the flux employed, deagglomerating the washed products, removing the water from deagglomerated product and drying the resultant product to obtain the desired phosphors.

(Complete Specification 10 Pages

Drawing Sheet Nil)

Ind Cl : 32E

184747

Int Cl<sup>4</sup> : C 08F-112/01

# "A PROCESS FOR THE PREPARATION OF CRYSTALLINE VINYL AROMATIC POLYMERS HAVING A PREDOMINANTLY SYNDIOTACTIC STRUCTURE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, An Indian Registered Body incorporated under the Registration of Societies Act

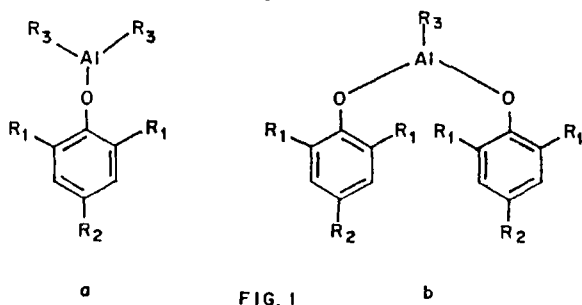
Inventors : SWAMINATHAN SIVARAM—INDIA, GOVINDARAJU VENKATA SATYA SHASHIDHAR—INDIA, SINGIREDDY SRINIVASA REDDY—INDIA

Application for Patent No. 1042/DEL/91 filed on 29-10-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(7 Claims)

A process for the preparation of crystalline vinyl aromatic polymers having a predominantly syndiotactic structure, which comprises polymerizing the vinyl aromatic monomers such as herein defined in the presence of a catalyst selected from transition metal compound such as herein described and containing at least one M—O; M—C, M—N; M—P; M—S or M—halogen bond where metal such as Ti, V, Zr or Hf is employed and co-catalyst selected from an organoaluminum compound of the general formula (Aro)<sub>n</sub> AlR<sub>3-n</sub> and having structural formula shown in fig. 1 of the drawing accompanying this specification



where n=1 or 2 and Ar is an aromatic group substituted in the 2, 4 and 6 position and R is an alkyl group at a temperature in the range of -80° to 120°C and recovering the said polymer by conventional methods such as herein described.

(Complete Specification 17 Pages

Drawing Sheet 1)

Ind Cl : 128 G & 128 K

184748

Int Cl<sup>4</sup> : A 61 B, 3/12

# AN IMPROVED OPHTHALMOSCOPE.

Applicant : KALAPPATTIL KRISHNANKUTTY, AN INDIAN NATIONAL OF D-45, AMAR COLONY, LAJPAT NAGAR, NEW DELHI-110024, INDIA.

Inventor : KALAPPATTIL KRISHNANKUTTY—India

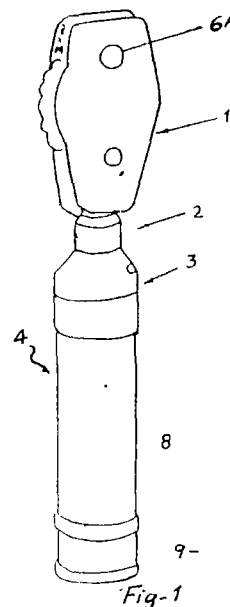
Application for Patent No. 1099/Del/91 filed on 15th Nov. 1991.

Complete left after Provisional specification filed on 16th Nov. 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, New Delhi-110005

(3 Claims)

An improved ophthalmoscope comprising an upper casing adapted to be secured to the lower casing through a neck portion provided on the top end of the said lower casing, a light source for example a bulb being provided at the upper end of said neck portion and being disposed in the lower portion of said upper casing, a plurality of condensing lenses being provided in the light channel of the upper casing for condensing the light in the form of a light beam a refracting mirror being provided in the upper end of said upper casing for refracting said light beam towards the eye of the patient, characterised in that a turret having correction lens(es) being provided in front of said refracting mirror and in order to provide the clear image of the retina or fundus of the patient in the observer's eye, said mirror being provided at an angle of 50°.



(Provisional Specification 4 Pages  
(Complete Specification 9 Pages

Drawing Sheet Nil)  
Drawing Sheet 1.)

Ind Cl : 170A

184749

Int. Cl<sup>4</sup> : C 11D 9/06

# A MILD SYNERGISTIC SKIN CLEANSING COMPOSITION

Applicant THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, ONE

PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s) : MARTHA ORRICO VISSCHER—U.S.A., THERESA ANNE BAKKEN—U.S.A., LAWRENCE ALLEN GILBERT—U.S.A., NORMAN GARY HOWELL—U.S.A., DEBRA DENISE WATSON—U.S.A.

Application for Patent No. 1107/Del/91 filed on 18-11-91.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(16 Claims)

A mild synergistic skin cleansing composition in the form of a bar comprising from 0.5% to 20%, of a silicone component consisting of a silicone gum having a mass molecular weight of from 200,000 to 1,000,000 and a viscosity of greater than 600,000 centistokes, and a silicone fluid of the kind as herein described, wherein the said silicone gum : silicone fluid ratio is 10 : 1 to 1 : 10; and the balance of the composition being selected from conventional cleaning components, plasticizers, skin feel and mildness aids, moisturizers, perfume, dyes and adjuncts.

(Complete Specification 34 Pages

Drawing Sheets Nil)

Ind. Cl. : 70A

184750

Int. Cl.<sup>4</sup> : H01, J, 11/00

A PROCESS FOR THE PREPARATION OF ACTIVATED LEAD ANODE USEFUL FOR ELECTROWINNING OF METALS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI 110001, INDIA.

Inventor(s) : PERIAIAH RAMACHANDRAN, INDIA, KUNNISERI VENKATACHALAM VENKATESWARAN, INDIA, SRINIVASA JYER VISVANATHAN, INDIA.

Application for Patent No. 1117/Del/91 filed on 18-11-91

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(6 Claims)

A process for the preparation of activated lead anode useful for electrowinning of metals, which comprises cleaning by conventional methods the valve metal support particles such as titanium sponge particles of the size ranging between -30, +50 mesh and 3 mm impregnating the said cleaned particles with 5 to 66 g/m<sup>2</sup> platinum group metal chloride solution in an organic solvent (isopropyl alcohol) by known methods; heating the said impregnated valve metal support particles at a temperature in the range of 350-450°C to yield valve metal particles activated with platinum group metal oxide, partly embedding the said activated support particles onto pre-cleaned lead or lead alloy anode substrate by known methods to obtain activated lead anode

(Complete

Drawing Nil Sheets)

Ind. Cl. : 32 F 3(a)

184751

Int. Cl.<sup>4</sup> : C 07 C 31/04

AN IMPROVED METHOD FOR THE PRODUCTION OF METHANOL.

Applicant : TEXACO DEVELOPMENT CORPORATION OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 106650, U.S.A.

Inventor(s) : WING CHIU FRANCIS FONG, RAYMOND FREDERICK WILSON

Application No. 1533/Cal/95 filed on 28-11-95 (Convention No. 08/378, 831 filed on 28-1-95 in U.S.A.)

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta

(6 Claims)

An improved method for the production of methanol comprising :

- partially oxidizing a gaseous feedstock containing substantial amount of methane in a gasifier at a temperature of about 1204 to about 1538°C (2200-2800°F) and a pressure of about 1.5 to 14 MPa (200-2000 psig) to produce a hot gasifier synthesis gas stream containing substantial amounts of hydrogen and carbon monoxide;
- passing said hot gasifier synthesis gas stream through a high pressure vessel enclosing a steam reforming catalytic reactor, in indirect heat exchange with reactants comprising a methane-containing gas and steam undergoing an endothermic catalytic steam reforming reaction at a pressure of 3.6-0.5 Mpa (500-1200 psig) and a temperature of 1000-1400°F (538-760°C) in said catalytic reactor, to produce a high pressure reformer synthesis gas stream, and wherein the hot gasifier synthesis gas stream, becomes cooled to a temperature of 100 to 600°F (38-316°C) and exists the catalytic reactor as a cooled gasifier synthesis gas stream;
- combining said cooled gasifier synthesis gas stream with a portion of the reformer synthesis gas stream to form a stoichiometric ratioed synthesis gas stream, which is fed to methanol synthesis unit to produce methanol, and wherein the stoichiometric ratioed synthesis gas requires little or no external compression to reach the optimal specifications necessary to produce methanol

(Complete Specifications 21 Pages

Drawings 2 Sheets )

Ind. Cl. : 206 E

184752

Int. Cl. : G 11 C 5/02

AN APPARATUS FOR READING STORED DATA

Applicant : TERASTORE INC. OF 12101 BAYSWATER ROAD, GAITHERSBURG, MD 20878 U.S.A.

Inventor : THOMAS DOLLINS HURT AND SCOTT ALAN HALPINE.

Application No. 1568/Cal/98 filed on 1-9-98 (Divided out of No. 77/Cal/95 ante-dated to 27-1-95).

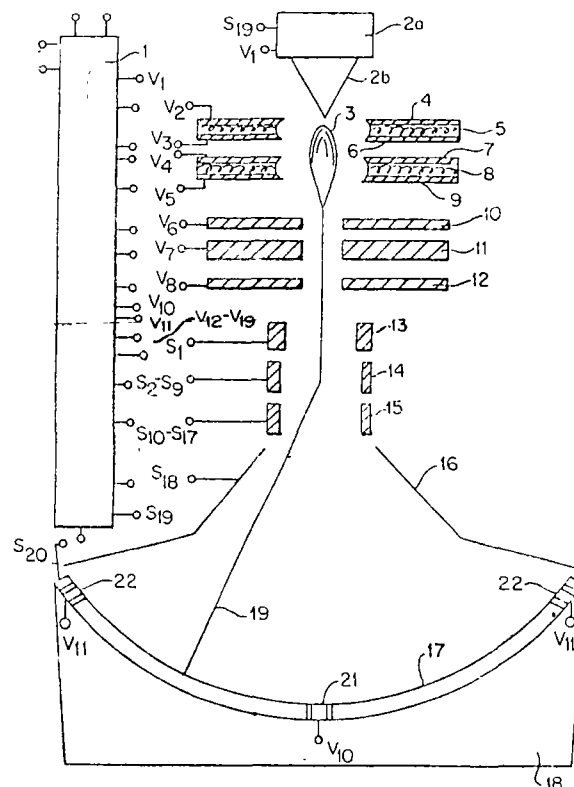


Fig-1

Drgns 12 sheets

Int. Cl.<sup>4</sup> H 01 H 77/02

184755

Ind. Cl. 69A.

"A CIRCUIT BREAKER FOR PROTECTING AN ELECTRICAL SYSTEM."

Applicant EATON CORPORATION OF 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114, UNITED STATES OF AMERICA.

Inventors STEPHEN ALBERT MRENN, RAYMOND WARREN MACKENZIE, DAVID M WOOD.

Application No. 1372/Cal/95 filed on 1-11-95.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta

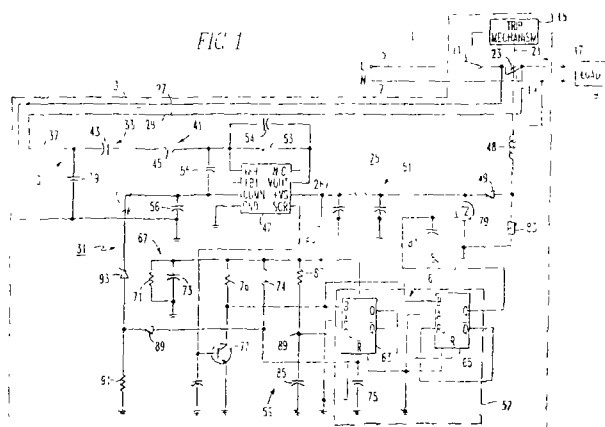
9 claims

A circuit breaker (3) for protecting an electrical system (1) comprises separable contacts (11) connected in series with said electrical system (1).

a trip mechanism (15) opening said separable contacts (11) when actuated;

an overcurrent detector (17) including a bimetal (19) responsive to selected overcurrent conditions in said electrical system (1) for actuating said trip mechanism (15); and

response means (25, 99, 103, 27, 29, 95) comprising means (27, 29, 95) for sensing voltage across said bimetal (19) representative of current flowing through said bimetal and means (25, 99, 103) responsive to said voltage.



(Comp. Specn. 11 pages

Drgns. 2 sheets)

Int. Cl.<sup>4</sup> F 01 N 3/28

184756

Ind. Cl. 40 A

"A DOUBLE-WALLED HOUSING, IN PARTICULAR FOR EXHAUST GAS CATALYST OF MOTOR VEHICLE"

Applicant EMITEC GESELLSCHAFT FÜR EMISSIONS-TECHNOLOGIE MBH. OF HAUPTSTRASSE 150, 53797 LOHMAR, GERMANY

Inventor WIERES.

Application No. 1426/Cal/95 filed on 10-11-95

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta

20 Claims

A double-walled housing, in particular for exhaust gas catalyst carrier of motor vehicles, having an inner jacket (1), an outer jacket (2) that approximately concentrically surrounds the inner jacket (1) spaced apart from it, wherein the inner jacket (1) and the outer jacket (2) rest tightly against one another at both face ends, characterized in that the inner jacket

(1) at least at two end regions (4, 5) is kept under compressive strain by constrictions of the outer jacket (2), and that the outer jacket (2) is provided with embossed features (11) oriented towards the inner jacket (1).

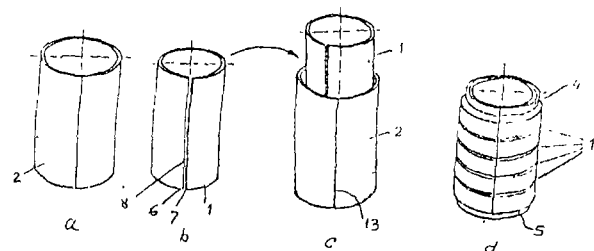
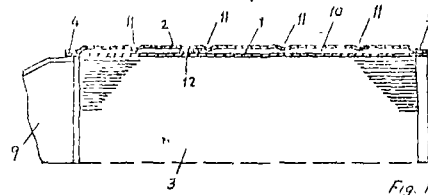


Fig. 2

(Comp. Specn. 15 pages

Drgns. 1 sheets.)

Int. Cl.<sup>4</sup> C 07 D 213/09

184757

Ind. Cl. 32 F (2b)

"A PROCESS FOR PRODUCTION 3-CYANOPYRIDINE".

Applicant REILLY INDUSTRIES, INC. OF 300 N. MERIDIAN ST. SUITE 1500 INDIANAPOLIS, INDIANA 46204, UNITED STATES OF AMERICA.

Inventors 1. MCATEER COLIN H. 2. CALVIN JOEL R. 3. DAVIS, ROBERT D. (Sr.)

Application No. 147/Cal/98 filed on 28-1-1998 (Convention No. 60,036,562 filed on 29-1-97 in U.S.A.)

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

19 claims

A process for the producing of 3-cyanopyridine comprising the step of ammoxidizing 2-methyl-1, 5-pentanediamine at a temperature in the range of 300 to 500° C in the presence of a catalyst such as herein described to form 3-cyanopyridine

Comp. Specn. 27 pages

Drgns. Nil Sheet

Int. Cl.<sup>4</sup> A 23 L 1/06

184758

Ind. Cl. 83A1.

"A IMPROVED PROCESS FOR PREPARATION OF TAMARIND EXTRACT IN THE FORM OF PASTE/JAM."

Applicant SHOKI KOBAYASHI AND RABINDRA SINGH NAHAR. OF 2-1-26 SENRIEN TOYONAKA, JAPAN AND 45/4A CHAKRABERIA ROAD (S), CALCUTTA-700 025, STATE OF WEST BENGAL, INDIA.

Inventor SHOKI KOBAYASHI.

Application No. 753/Cal/98 filed on 27-4-98.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

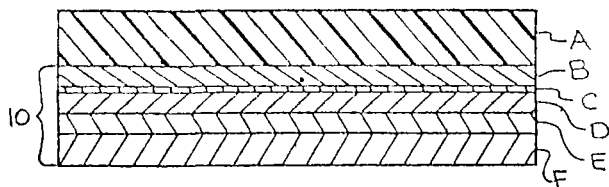
Appropriate Office for Opposition Proceedings Rule 4, (Patent Rules, 1972) Patent Office, Calcutta

## 7 Claims

An article of manufacture for use in forming holographic image or diffraction grating pattern on a substrate, said article comprising, in combination :

- (a) a plastic film substrate, such as herein described, and
- (b) a composite sheet engaged to said substrate and releasable therefrom upon application of heat and pressure, said composite sheet having :
  - (i) a layer of metal, such as herein described, having a thickness in the range of 20 millimicrons to 100 millimicrons facing said substrate,
  - (ii) a lacquer coating having a thickness in the range of 0.5 micron to 3 microns engaged to said layer of metal, said lacquer coating being a member of the group consisting of acrylic, styrene-acrylonitrile polymer, polyester and nitrocellulose, and
  - (iii) a heat activatable adhesive, such as herein described, having a thickness in the range of 0.75 micron to 4 microns;

said composite sheet being adapted to receive a holographic image of diffraction grating pattern in said layer of metal following release of said composite sheet from said substrate



—FIG. 1

(Comp. Specn. 20 Pages

Drgns 4 Sheets)

## CLAIM UNDER SECTION 20(1) OF THE PATENT'S ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970, the Patent Application No. 279/Cal/94 (180926) made by AMEU MANAGEMENT CORP has been allowed to proceed in the name of SCHUKRA GERATEBAU GMBH.

In pursuance of leave granted under Section 20(1) of the Patent Act, 1970 the application No. 873/Cal/94 (183898) made by VIRUS RESEARCH INSTITUTE has been allowed to proceed in the name of AVANT IMMUNOTHERAPEUTICS.

## RENEWAL FEES PAID

182965 183152 183164 181681 175902 178501 182393 182394  
 182899 182896 182962 182947 182944 183099 183095 183157  
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 170478 170611 170592 170991 170999 171181 171540 172850  
 173461 175478 176374 176933 176962 177822 178562 181683  
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PATENT SEALED ON 25-08-2000

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 183590\*D

CAL-17, DEL-02, MUM-05, CHEN-01

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents

F—Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries in the date of the registration included in the entries.

Class 01. No. 181676, MANOJ PRAYUMANBHAI PARIKH, Indian national at 10, Kedar Bunglow, Opp. Karnavati Club, Satellite Highway Cross Road, Ahmedabad 380015, Gujarat, India. "CABLE AMPLIFIER", 21 February 2000.

Class. 01. No. 181685, THE GILLETTE COMPANY, a company organized under the laws of the state of Delaware, U.S.A. of Prudential tower Building, Boston, MA 02199, U.S.A. "BATTERY", 21 February 2000

Class. 01. No. 181697, SAMSONITE CORPORATION, a corporation organised under the laws of the Delaware U.S.A. of 11200 East, 45th Avenue, Denver, Colorado 80239, U.S.A., "METAL LUGGAGE CASE", 27 August 1999.

Class. 01. No. 181698, M/s. AIRSCANER ENGINEERS & FABRICATORS, B-321, Hari Nagar (Clock Tower), Behind New Era School, New Delhi-110064. "ALLOMINIUM BLOWER", 22 February 2000

Class. 03 No. 181367, GLOBAL ACQUA PVT. LTD., 6 Alipore Park Road, Calcutta:-700027, W.B., India, Indian Company. "BOTTLE", 18 January 2000.

Class. 03 No. 181573, AJANTA TRANSISTOR CLOCK MFG CO., Orpat Industrial Estate, Rajkot Highway, Morbi 363641, Gujarat, India. "Clock", 9 February 2000.

Class. 03. No. 181684, KONINKLIJKE PHILIPS ELECTRONICS N.V., A Ltd. Company Organised and Established under the laws of The Kingdom of the Netherlands, carrying on business as manufacturers at Groenewoudseweg, 1, 5621 BA Eindhoven, The Netherland. "AN ELECTRIC EPILATOR DEVICE", 15 December 1999.

Class. 03. No. 181703, M K ELECTRIC (INDIA) LIMITED, "CRESCENDO", 995-B, Second Avenue, Anna Nagar, Chennai 600040, Tamilnadu, India, Indian Company. "6A ONE WAY SP BELL PUSH SWITCH", 22 February 2000.

H. D. THAKUR

Controller General of Patent, Design & Trade Marks

